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AMERICAN POULTRY WORLD

APRIL, 1914

Vol. V. No. 6



INDUSTRY PROGRESS ECONOMY







AMERICAN POULTRY PUBLISHING COMPANY
BUFFALO, N.Y., U.S.A.

S. and R. C. Rhode Island Reds
and SILVER and GOLDEN CAMPINES

After a season of four months' showing at **Grand Central Palace, Madison Square Garden, Pittsburgh, Baltimore, Hagerstown, Philadelphia** and **Allentown,** we have a grand total of the following winnings:

47 FIRSTS *31 SECONDS* *16 THIRDS*
13 FOURTHS *6 FIFTHS*

Orders for stock and hatching eggs from these winners now being booked. Write today for free mating list.

SCHENLEY HEIGHTS POULTRY FARM

C. F. Rankin, Prop., **1202 Commonwealth Bldg., Pittsburgh, Pa.**

Wilburtha
POULTRY FARMS

Columbian Wyandottes, Columbian Plymouth Rocks, Partridge Plymouth Rocks, S. C. Buff & White Leghorns

Our recent winnings at The Palace and Madison Square Garden and other large poultry shows again emphasize the high quality of the Wilburtha Strains. Our 1914 matings are composed of healthy, vigorous prize-winners, bred for heavy egg production and utility qualities as well as for exhibition purposes.

EGGS FOR HATCHING BABY CHICKS BREEDING STOCK

A limited number of eggs and day-old chicks will be sold from our prize matings. Book your order NOW for delivery any time before July 1st. Some choice breeders for sale at reasonable prices. Write for free descriptive circular and mating list.

WILBURTHA POULTRY FARMS, **Box W,** **TRENTON JUNCTION, N. J.**

C. J. FISK, Owner *WM. D. CAMPBELL, Supt.*

SEE MANHATTAN FARMS "AD" PAGE 469

RED FEATHER FARM REDS
ROSE AND SINGLE COMBS

Again Our Great **"SENSATION STRAIN"** Wins in Hottest Competition.

AT MADISON SQUARE GARDEN
DECEMBER 26-31, 1913

Nearly 400 REDS shown—the GREATEST QUALITY CLASS in the history of the breed—We won on Rose Combs, 1st COCKEREL and COLOR SPECIAL, 4th COCKEREL, 2nd PULLET.

AT BOSTON
JANUARY 13 - 17, 1914

With America's leading breeders competing on Rose Combs, we won 1st COCK and SHAPE SPECIAL, 1st HEN, and COLOR SPECIAL, 3rd HEN, and 2nd PEN.

These winnings were made with **OTHER** birds after our annual clean sweep at **PROVIDENCE**, where we won **27 regular and special prizes on 13 entries, including EVERY FIRST PRIZE (5), EVERY SHAPE, EVERY COLOR, and EVERY GOLD SPECIAL, and STATE CUP for sixth successive year,** and were also awarded **PROVIDENCE JOURNAL CUP (value $100) for the BEST SIX RHODE ISLAND REDS IN THE SHOW—to be won three times.**

HUNDREDS OF COCKERELS AND PULLETS THAT WILL BREED WINNERS FOR YOU

Eggs from the Best Pens we Ever Mated. Send Stamp for Mating List.

RED FEATHER FARM, **F. W. C. ALMY,** Proprietor and Manager,
BOX 22, TIVERTON 4 CORNERS, R. I.

AMERICAN POULTRY WORLD

Published the First of Each Month by the
AMERICAN POULTRY PUBLISHING COMPANY
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Write your name and post office address plainly. If your Journal does not reach you promptly each month, kindly notify us.
When you request change of address give the old as well as the new address.

EXPIRATIONS AND RENEWALS

The AMERICAN POULTRY WORLD is discontinued at the completion of the subscription term by order of the postal authorities. This notice will be marked with a blue X when your subscription has expired. We solicit a prompt renewal. Please do not delay.

45,000 COPIES PER MONTH

It is positively guaranteed that during the year ending April, 1914, the AMERICAN POULTRY WORLD will circulate an average of forty-five thonsand (45,000) copies per month. All advertising contracts are based on this circulation.

ADVERTISERS GUARANTEED

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the AMERICAN POULTRY WORLD, providing the subscriber when ordering the fowls or merchandise, states that the advertisement was seen in the AMERICAN POULTRY WORLD, and places the order during the month or months in which the advertisement appears in our columns and promptly notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars.
AMERICAN POULTRY PUBLISHING COMPANY

Advertising Rates Made Known on Application

Entered at postoffice, Buffalo, N.Y., as second class mail matter

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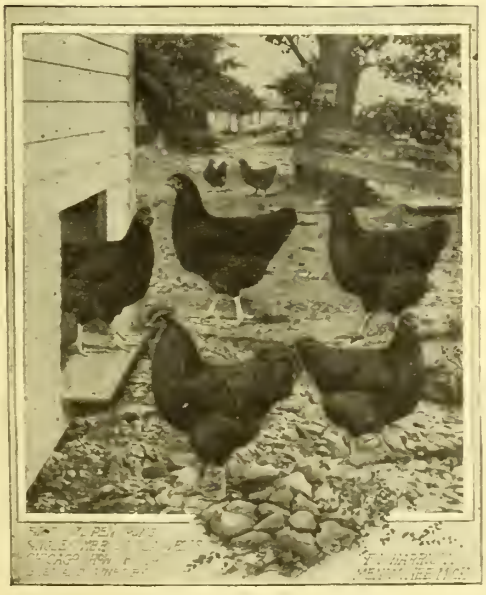
Votes cast for the nomination of A. P. A. Officers. Candidates that A. P. W. believes it would be well to elect this month. Asks his friends to vote for A. C. Hawkins. Second meeting of committee on Revision of A. P. A. Constitution and By-Laws. U. R. Fishel tells about United Farms Company. Lester Tompkins not connected with United Farms Company. McAvoy still in the poultry business.

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45,000 FOR APRIL, 1914

E. D. Corson, Secretary-Treasurer of the Corson Manufacturing Co., printers and binders, being first duly sworn, states that that company has a contract for and is printing and binding forty-five thousand (45,000) copies of the April, 1914, number of the AMERICAN POULTRY WORLD.
E. D. CORSON.
GEO. E. FITZSIMMONS, Notary Public.

F. E. Harrison's Champion Single Comb Rhode Island Reds



Have for years demonstrated that they are the one strain that stands out ahead of aff others.

At Chicago, 1913-14, *"Royal Reds"* won in the fargest class ever shown, forty-nine exhibitors showing a totaf of 270 birds and in the largest class of cockerels ever shown in America, (106), as follows:— 1st and 4th cock; 2nd and 5th hen; 1st and 5th cockerel; 1st, 2nd, 3rd and 4th pullet; 1st and 3rd old pen and 1st and 5th young pen; every color special; every shape special; every championship; elegant watch offered by the Association for the best display and the Western Rhode Island Red Club of America Cup offered by the Club, both Rose and Single Combs competing.

Note This: I am the only exhibitor that has won in all six classes in one showing. Twice have f accomplished this feat.

Twice have *"Royal Reds"* exhibited personally by me won 87 points on best display at the Great Coliseum Show of Chicago. No other exhibitor has ever won this number of points before. Therefore, *"Royal Reds"* have the distinction of on two different occasions winning the greatest number of points ever given at Chicago.

More facts of this world's greatest show of Chicago, are as follows: At Chicago I have won twice as many first prizes on Old Pens as all other exhibitors combined.
Twice as many first prizes on young pens as any other competitor.
Twice as many first prizes on cock birds as any competitor, and more points on cock birds at the last two shows than all other exhibitors combined.

I have won more places on cockerels at Chicago the past four years than any other competitor, and hold the world's record for winning 1st Cockerel in the fargest class ever shown in America.

Very Important: I have won more points on males (Cockerel and Cocks) on hens, pullets and pens, at the last two Chicago Shows than any other competitor. Therefore, *"Royal Reds"* outclass all others in winning the largest numbers on males, females and pens than any others.

Note This: I have won three times as many points on pullets at Chicago in the past two years than seventy-two competitors combined.

At Chicago, 1912-13, f won 1st, 3rd and 4th cock; 2nd and 3rd hen; 4th cockerel; 1st, 2nd and 3rd pullet; 1st and 2nd old pen and 1st young pen.

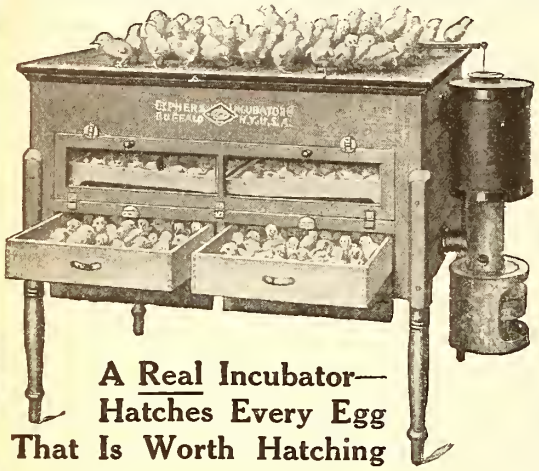
To think of a world's record is to think of *"Royal Reds."*
f have every first prize (eight in number) winning males from the last two Chicago Shows. My egg offer is the best opportunity in all America to start in Single Comb Reds.

2000 head of cocks, cockerels, hens and pullets, trios and pens for sale, rich in blood of these Chicago winners. Catalogue free, describing best pens ever put together.

F. E. HARRISON, Box A. MENOMINEE, MICH.

April and May Chicks Are The Best

READER, the hatching and brooding season ***is late*** this spring—fully a month late! This is true because of the extreme cold weather in February—a condition ***that lasted*** well into the month of March. The hens felt the cold, stormy weather and ***shut off*** much of the egg supply.



A Real Incubator—Hatches Every Egg That Is Worth Hatching

AS A GENERAL RESULT the great bulk of chicks this year will be hatched DURING THE MONTH OF MAY. Of this there can be no doubt. Furthermore, taking the country as a whole, May is by far the ***best month*** in which to ***hatch chicks*** and start them on life's journey. The ***weather*** then is favorable, the ***ground is dry*** and healthful, "the green is in the grass," as the saying is, and May-hatched chicks every spring ***do much better,*** as a rule, than do those brought out of the shell at any other time of the year.

THEREFORE IT IS NOT TOO LATE for you to get that incubator you were figuring on, ***provided*** you can get it delivered to you promptly! And just here ***we can help you***—can serve you well. We conduct SIX PLACES OF BUSINESS—six stores and warehouses—in the United States and ***now have in stock*** at each of these places a large and ***complete line*** of Cyphers Incubators, Cyphers Brooders, Cyphers Portable and Adaptable Hovers— and WE GUARANTEE to fill your orders the same day we receive them, or the next day following, at any one of these six places of business. Do not lose ***an entire year*** by waiting until next spring, but write, ***telegraph*** or telephone your RUSH ORDER ***today,*** to our place of business nearest you as given herewith. Do not wait—ACT NOW.

Every Hatch a Profitable One

Fowler, Vt., August 9, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

As a customer of yours, I believe you will be ***glad to learn of my success*** in the poultry business the past season. I sold my chickens this year when they were a day old.

I now have one No. 1 Standard Cyphers Incubator and one of your No. 3 machines and ***have had splendid hatches*** from them first to last, as the following record will show:

No. 1 Incubator:	Fertile Eggs	Chicks Hatched	*No. 3 Incubator:*	Fertile Eggs	Chicks Hatched
April 3	132	123	April 8	287	273
" 26	128	121	May 1	319	302
May 19	138	132	" 24	370	354
June 10	128	124	June 17	368	361
July 4	132	128	July 10	350	342
" 27	135	122	Aug. 2	365	353
Aug. 18	136	131			

In addition to excellent hatches obtained with these machines, I had ***strong, vigorous chicks in every hatch.*** Have found Cyphers Incubators easy to operate, self-regulating and automatic as regards moisture and ventilation.

Besides selling day-old chicks, ***have raised a fine lot for myself.*** I bought four of your outdoor brooders and have used them with fine results. Have ***also used*** your Scratching Food, Growing Mash and Chick Food. Your brand of chick food is ***the best and sweetest*** of all chick foods I have ever tried.

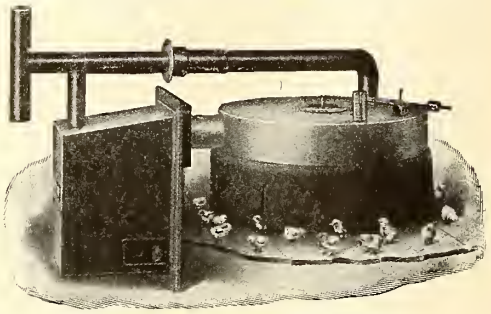
I am recommending your incubators, brooders and foods ***to my friends and neighbors.*** You certainly have treated me fairly in all business matters.

Sincerely yours,
WM. E. MILLS.

Immediate Shipments Guaranteed

Thanks to our Big New Factory, we now have complete stocks of ***Incubators, Brooders, Hovers*** and all other important appliances at ***every one*** of our SIX PLACES OF BUSINESS and hereby ***guarantee*** to fill your orders within 24 to 36 hours after they are received.

Telegraph, telephone or mail your order to us, say "rush" if you are in a ***special hurry*** and we will fill it from Buffalo, Boston, New York, Chicago, Kansas City or Oakland, either the same day we get it or the ***next day,*** WITHOUT FAIL. Lose no time—take no chances.



Cyphers Adaptable Hover

Fire-proof, Wind-proof, Insurable. Self-regulating and Automatic in Ventilation. Best Device in World's Markets for Use in Home-made Brooder Cases, Colony Coops, Roosting Coops and Portable Houses. Price, Complete, Safely Boxed for Shipment, $8.50 free on board cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely safe to order sample from this advertisement. Send order to place of business nearest you, thus saving time and most of freight or express charges.

Cyphers Adaptable Hovers are Fire-proof and Insurable

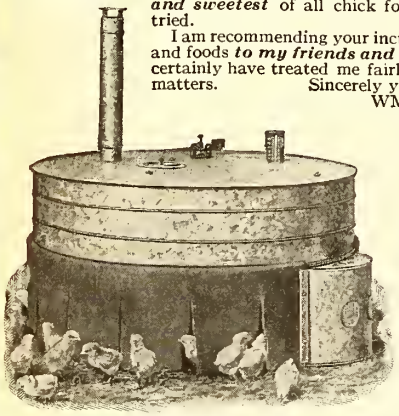
7646 Bond Ave., Chicago, Ill., August 4, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

We are now using your Incubators, Adaptable Hovers, etc.—***and are glad of it.*** We started last year with a cheaper equipment, both in incubators and brooders, trying several different makes—all of which ***have been sold or are now for sale.***

We make ***our own brooder cases*** in which to install your Adaptable Hovers, patterning our cases after your Style B Brooders as advised to do in your free booklet, "Best Methods of Brooding." We put about 75 chicks in each hover and ***leave them there six weeks,*** when they are put in colony houses. We would not again use a type of brooding hover that is not fireproof. ***No more of the cheap and dangerous kind for us.*** They are death to the chicks and liable to burn up everything in sight. We are pleased to give our experience, so that other poultrymen will not repeat our mistakes.

E. M. CASKEY.



Cyphers Portable Hover

Set it down Anywhere Indoors and you will have a Safe and Comfortable Place for the Little Chicks. "Movable" at a moment's Notice without even turning down the Lamp Flame. Weighs 35 lbs. in use. Price, Complete, Safely Boxed, $8.50 free on cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely safe to order a sample from this advertisement. Weighs 40 lbs. by express.

Please Read Every Word of This Report

Asheville, N. Y., August 4, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Your Portable Hovers ***gave us wonderful results*** and have proved most satisfactory.

During the season of 1912 my chick loss, previous to the end of the third week, was disheartening. This year, thanks to your Portable Hovers, ***the loss was almost nothing.***

Better still, the chicks are ***far hardier*** than those of the same stock in 1912 and I can assign no other reason, after careful investigation, than the benefits derived from the ***patented regulator*** which forms a part of these Portable Hovers and insures a uniform temperature, together with the ***automatic ventilation*** which gives a continuous supply of fresh air to the chicks. This past season we ***had no leg weakness***—something that gave us much trouble the year before.

I truly believe ***that your Portable Hovers*** are the very best on the market. I have tried others that were claimed to be "just as good," ***but they were not.*** Your Balanced-Ration Poultry Foods far exceed ***in quality and results*** the other brands we have tried.

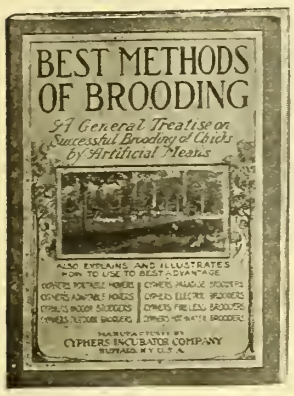
E. W. GAGE, Prop.,
Chautauqua Lake Farms.

FIRE INSURANCE LABEL!

Remember that every Cyphers Incubator has been passed on by expert engineers, representing the National Board of Fire Underwriters and that each and every machine bears the brass "Inspected Incubator" label. The label talks! Other manufacturers may *claim* that their incubators are fireproof, and have been *approved*, but the Official Label is what counts. Without it their claims are simply "hot-air." Do not be misled.

Proper Brooding and Correct Feeding

PLEASE think this over—Don't Duplicate Work! That is a "success secret" in *any* business. Don't *do over again* what someone else has already done *for you.* In brief, don't invest or waste *your* time and money in *needless* experimenting in poultry raising for greatest profit, when the Cyphers Company *already* has blazed the trail for you—has *found* the way to *surest* and quickest success.

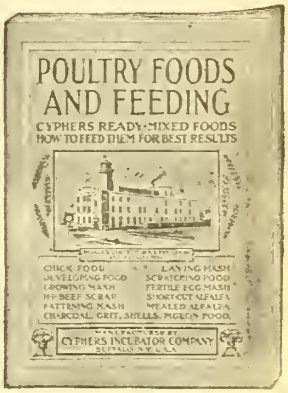


Cyphers Company's Latest New Free Book. Most Complete Treatise to Date on This Vitally Important Subject. Goes Into Every Detail From Time Chicks are Taken From Incubator Till They are Placed on Range. Book of 52 Pages, 7¼ x 10 Inches in Size, Well Illustrated. Mailed FREE on Request to Any Address.

For this *very purpose* our company owns and operates a $75,000 Experiment and Demonstration Poultry Farm. Results are here *recorded;* the most modern, most successful methods are *proved up* and then passed along to Cyphers owners—to Cyphers customers—through Cyphers Company's free booklets, free Service Bulletins and our As-Often-As-You-Need-It Personal-Letter Service.

Cyphers Company methods are *established* and *successful;* they enable you to cut out *all money* for wasteful experimenting: they enable you to *avoid losses;* to go straight ahead, surely and safely, *with the best results.* Our own *proved* success, *combined* with that of many thousands of customers, is YOURS when you adopt Cyphers Company methods and use CYPHERS STANDARD POULTRY EQUIPMENT.

If you have not already received them, *write now* for the THREE GREAT FREE BOOKS *published* by the Cyphers Company for distribution to every man and woman who is interested in profitable poultry raising and increased egg-production. Have YOU received these books? If not, write us today—*right now,* and we will send *all three* postpaid, without obligation. These three valuable books are pictured and described herewith.



This Book Would be Cheap at $5.00 Per Copy, Judged by Actual, Detailed Value of Contents. Tells How To Produce Broilers, Fryers, Roasting Chickens and Capons: Also Exactly How to Feed the Layers and Breeders. 52 Pages, 7¼ x 10 Inches. One FREE COPY on Request to Any Address.

CYPHERS FOODS AND METHODS

"Chicks Began to Grow About Twice as Fast"

New Castle, Ind., August 24, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

At the beginning of the season I tried out a chick food which I thought was alright, but my chicks would eat only about half of it, leaving the balance. There seemed to be something in the food that they did not care for. One day I was telling a poultry friend about my experience and he advised me to try your Cyphers Balanced-Ration Poultry Foods. I did so immediately. What was the result? The chicks *cleaned up every particle* of your Cyphers Chick Food and in a week they *began to grow about twice as fast.* I have found Cyphers Poultry Foods to be always *pure, free from dirt and chaff* or any kind of *waste material* that is to be found in most brands of prepared poultry foods. Have received several of your Cyphers Company Service Bulletins and think they are fine. They contain much valuable information.

H. M. SPANNUTH.

"Am Free to Attribute My Success"

Oxford, Pa., July 17, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

My chicks thrive better on your Dry-Grain, Balanced-Ration Chick Food than on any other ration I have ever used. I find that your foods contain nothing but *clean, pure, sweet grains* that the chicks eat up quickly, which has not been the rule with other brands of foods that I have used. I use Chick Food for the first four to six weeks, and thereafter change over to Developing Food. *Have lost very few chicks this season.* Your Chick Food has been fed in deep litter consisting mostly of Short-Cut Alfalfa. *Am free to attribute my success* to this method of feeding and to the superior quality of your poultry foods. All of your supplies have proved to be superior products and are sure to give entire satisfaction if used as directed, with common sense and good judgment. I also have been treated with most careful consideration when buying goods or asking for general information.

W. I. SCHNEE.



Cyphers Company's Chick Food

This 100-Lb. Bag will feed 100 Newly-Hatched Chicks Four Weeks, or 50 Chicks Six to Seven Weeks. Price $2.50 F. O. B. Buffalo, Boston, New York City, Chicago and Kansas City. Price F. O. B. Oakland, $3.00.



Cyphers Company's Developing Food

This is a Medium-Granulated, Five-Grain Balanced Ration that we Advise our Customers to Feed to Growing Chicks Between the Ages of Six to Twelve Weeks, Before They are Given Whole Grain.

"Must Give Your Foods a Large Part of Credit"

Coweta, Okla., July 17, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I have tried out several makes of incubators, brooders and poultry foods, but the Cyphers line of goods has given us more good value than any other we have ever used. This year I have had wonderful hatches in my Cyphers Incubators and have successfully brooded them. I must give your Balanced-Ration Poultry Foods a large part of the credit for my fine flock of fowls. Your foods possess the *right combination of grains to produce bone, muscle and feathers.* I followed your plan of "deep litter" feeding, and must say I never saw such *rapid growth* and birds so full of *life and vim.* It is a great pleasure to watch the littie rascals scratching for the Cyphers Foods. Yours truly. H. B. EGAN.



Big Free Catalogue

If you have not received our 1914 Complete Catalogue (244 pages, 7½x10 inches in size) cut out the coupon herewith and mail same today to our place of business nearest you. Do this, *or write us a letter,* stating just what you need in our line—for quick shipment. Address place of business nearest you.

FREE "Poultry Guide" Coupon

Cyphers Incubator Company, Dept. 31.

Gentlemen:—Kindly send me, postpaid, your 1914 poultry guide and complete catalogue entitled, "Poultry Keeping In All Branches," also facts how I can secure without charge the full benefits of Cyphers Company's Free Bulletin and Personal-Letter Service.

My Name.....

My Address.....

.....

CYPHERS INCUBATOR COMPANY

Department 31, Buffalo, N. Y.

Branch Stores and Warehouses: NEW YORK, N. Y., 41 Barclay St. · BOSTON, MASS., 12-14 Canal St. · CHICAGO, ILL., 329-331 Plymouth Ct. · KANSAS CITY, MO., 317-319 Southwest Blvd. · OAKLAND, CAL., 2127-2131 Broadway · LONDON, ENG., 121-123 Finsbury Pavement

WHITE AND BUFF FAVEROLLES

The Question How To Get Eggs In Zero Weather Now Solved. Answer Get Faverolles. Positively the most remarkable winter layers we have yet found. Meat soft and juicy and of most delicious flavor. We have ten yards mated and prices of eggs so all can start in this grand breed of fowls. 10 chicks guaranteed to a setting. Special prices in hundred lots.

AUG. D. ARNOLD, BOX D, DILLSBURG, PA.

Don't Wait Another Day

Start a Reliance Working for You This Week

By special arrangement with the publishers of

American Poultry World

we are granted permission to print our Order Blank in this advertisement so that everybody can get one of our famous Incubators, Brooders, Sprouters without a day's delay or unnecessary correspondence. For instance, send us

$5.75 enclosed with order and we ship you immediately our 150-egg **Reliance** Incubator, backed by our Special Guarantee. No waits, no trouble or letter writing.



Guaranteed
To Hatch as Many Chicks as any $15 or $20 Machine

Fully Equipped
No Extras to Buy

1914 Reliance Incubator

Nothing like this has ever been offered before. We are the first manufacturers to print an order blank in a publication and bind ourselves, in the order, to make good our claims or refund money as per our guarantee. Read our Four Big Bargains. Take your choice of No. 1, 2, 3 or 4. See how much you can save. And, remember, when you get a **Reliance**, you get an incubator that lives up to the manufacturers' guarantee. It **practically runs itself; it requires very little oil for a big hatch and it hatches every hatchable egg put on the egg tray.**

The **Reliance** is a new model—**a 1914 machine**—and because of its perfect construction and improved regulator system, it is sure to become the hatching sensation of the year. You or any one can be sure of success with it. Even beginners can get best results—even to **100 per cent hatches**—by merely following the **simple directions** sent with each machine.

The **Reliance** is guaranteed to make chicken-raising pay big profits. No losses, no repair bills, no extras to buy, no waste of oil. Better order yours—incubator and brooder—right now from this ad.

The 1914 **Reliance** is made of best lumber. Side walls and top are made of three thicknesses—cold can't get in, heat can't get out. Equipped with best regulator, thermometer, egg tester, lamp, egg trays. Beautiful finish, handsome steel legs.

Full description, circular matter, incubator and hatching facts sent free on postal request or with order.

4 Big Bargains

Bargain No. 1
70-Egg Incubator Guaranteed $3.90

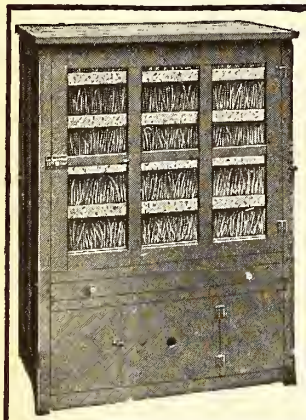
Bargain No. 2
150-Egg Incubator Guaranteed $5.75

Bargain No. 3
70-Egg Incubator $3.90
70-Chick Brooder 3.00
Total - - $6.90
Both for Only $6.50

Bargain No. 4
150-Egg Incubator $5.75
150-Chick Brooder 3.00
Total - - $8.75
Both for Only $8.25

You can't go wrong buying a **Reliance**—either size, or in combination with brooder. Our guarantee protects your purchase.

Better order your incubator or brooder—or both—right now from this ad. You'll never get any other such offer. Use order blank below and save time and make money.



Big Bargains in Reliance Grain Sprouters

Biggest money-maker for poultrymen since the invention of the modern incubator.

Reliance Sprouted Oats will **cut feed bill in half; will keep hens laying all winter** and **increase egg yield over 50 per cent; will make and keep fowls healthy, sturdy and promote their growth.**

Order direct from ad on guarantee of satisfaction or money back. Safe delivery guaranteed. Sprouter comes to you ready for use. Order to-day.

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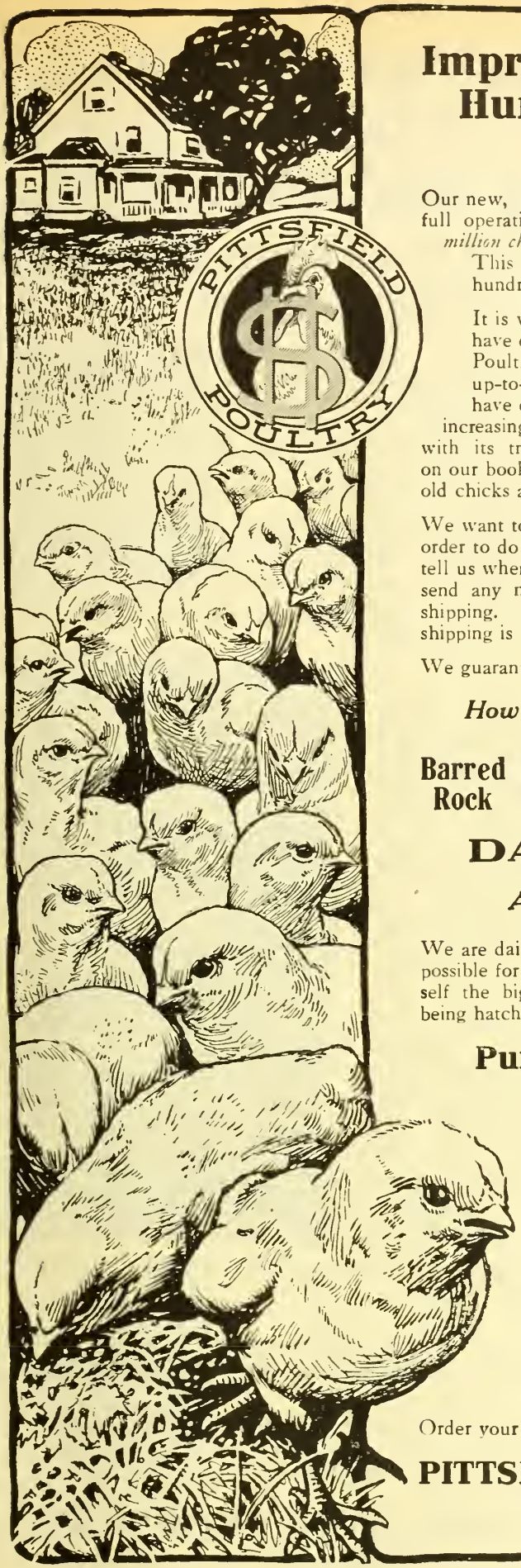
It is a condition of this order that the Incubator, Brooder or Sprouter I buy of you, give me perfect satisfaction and live up to your claims or you'll make good by replacement or refund the full purchase price.

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Our new, modern Pittsfield Plant at Holliston, Mass., now in full operation, has increased our yearly capacity to over *one million chicks*, and has greatly reduced the cost of production. This is why we can now sell day-old chicks at $7.00 a hundred less than last year's prices.

It is very gratifying to us to know that satisfied customers have caused to be built at Holliston, Mass., by the Pittsfield Poultry Farms Company, the largest, most scientific and up-to-date poultry plant in the world. Our old customers have each year ordered all the day-old chicks our constantly increasing capacity could supply, and even at this new plant, with its tremendously increased hatching facilities, the orders on our books March 1, 1914. were for ten times as many day-old chicks as on March 1, 1913.

We want to ship chicks when they are wanted by you and, in order to do this, we must ask you to send us your order early and tell us when you want your chicks to reach you. You need not send any money with your order. We will write you before shipping. Our new Holliston, Mass., plant, from which all shipping is done, insures shorter time in transit.

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Barred Rock **PITTSFIELD** **White Rock**

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About when will you need them ?

We are daily showing visitors over our plant and we w sh it were possible for every reader of this paper to visit us and see for himself the big-framed, strong, healthy and lively chicks that are being hatched each week.

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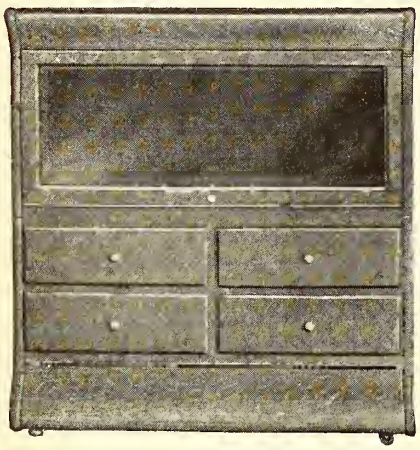
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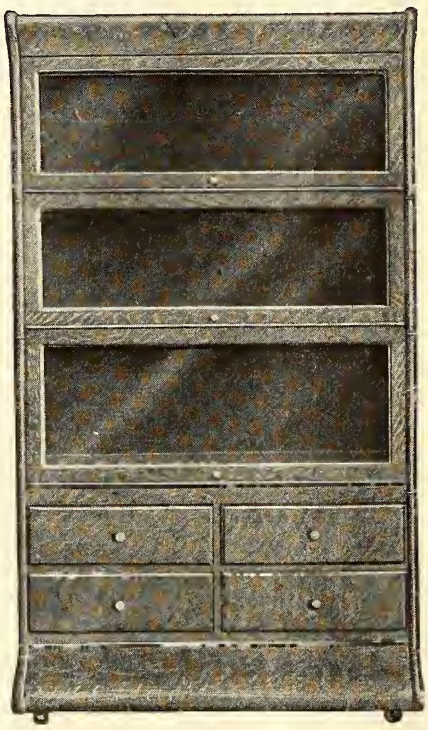
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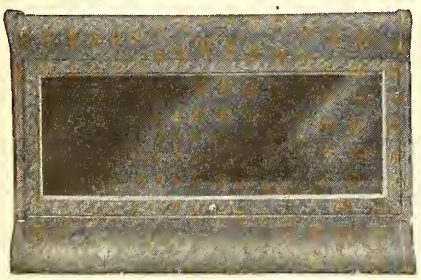
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1st Prize Cockerel, Madison Square Garden, December, 1911.



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55 Out of a Possible 76 Firsts

AT MADISON SQUARE GARDEN (NEW YORK), BOSTON, PITTSBURGH, GREATER NEW YORK FAIR AND EXPOSITION and MEMPHIS THIS YEAR WERE AWARDED

OWEN FARMS

BUFF ORPINGTONS
WHITE ORPINGTONS
WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES and
SINGLE COMB RHODE ISLAND REDS

Several other ***firsts*** went on birds of ***Owen Farm's Strain.***

This wonderful percentage of ***firsts*** at ***America's Leading Shows*** is merely a repetition of past years and ***Owen Farms' Records*** at the shows where ***Real Competition*** is found stand alone and unequalled.

OUR CUSTOMERS ARE TODAY OUR LEADING COMPETITORS AND WE ARE GLAD TO SHARE THE HONORS WITH THEM

Every variety line bred for from nine to twenty years and no strains of recent origin can possibly have the producing value of the established flocks on Owen Farms. Weigh carefully every statement you read and comparison will show you the pre-eminence of my flocks.

You may win without these blood lines, but, you will find it practically impossible if your competitor meets you with Owen Farms birds.

AS UTILITY BIRDS

These flocks each year have demonstrated their exceptional merit. Wonderful reports of high average egg yields come in from customers. One customer has reported 262 eggs laid in 290 consecutive days by a pullet bought of us, and many other reports are almost as good.

My flocks have perfect health, size, bone, substance and bodies with tremendous egg capacity. ***Treat them well and they will do the rest.***

1914 MATINGS

Of all varieties are the best ever made on Owen Farms. My customers for ***Eggs for Hatching*** or ***Baby Chicks*** will receive remarkable value this year as Eggs and Baby Chicks have never been sold from birds of equal quality at prices appproaching those I am making for 1914. ***Early booking insures delivery at exact time you want them.***

Remember! More Prize Winners are produced each year from the middle of April to the middle of June than during all the other months combined.

EGGS from BEST MATINGS in the WORLD, all varieties, $10.00 for 15, $30.00 for 50, $50.00 for 100.	**EGGS from CHOICE MATINGS. Better than most sold at higher prices, all varieties, $5.00 for 15, $15.00 for 50, $25.00 for 100.**
BABY CHICKS from these MATINGS, $1.50 each in lots of 20 or more at one time.	**BABY CHICKS from these MATINGS, 50c each in lots of 20 or more at one time.**

EGGS HALF PRICE AFTER MAY 5th.

My *ILLUSTRATED CATALOGUE* gives the History of the wonderful Owen Farms and of the Owen Farms flocks.

My *1914 MATING LIST* describes the ***Finest Matings in Existence*** of my varieties.

A few grand Breeding Pens for Utility or Exhibition Breeding at prices you will gladly pay. State your exact requirements in your inquiry and, if possible, how much you wish to invest.

I want your order, and ***remember*** your ***absolute, ultimate satisfaction*** means my ***permanent success.***

OWEN FARMS

115 WILLIAM STREET, VINEYARD HAVEN, MASS.

MAURICE F. DELANO, Proprietor — FRANK H. DAVEY, Superintendent



During recent years R. A. Rowan, Los Angeles, Calif., has been sending regularly a large string of White Faced Black Spanish to the best Eastern shows, including Madison Square Garden, Boston and Chicago. Mr. Rowan is one of the oldest fanciers of this grand old breed in America, and he has been largely responsible for the present popularity of the breed in this country. The quality shown by Mr. Rowan is unsurpassed in England or America, and we understand that some of the recent Boston winners were shipped to an English breeder after the close of the show. The old Spanish fowl is one of the breeds that has maintained its popularity on its merits alone. They are prolific layers of large white eggs and very attractive to behold, both in large flocks and in the show room. Many of the specimens shown by Mr. Rowan had exceedingly large lobes and face development of unusually fine texture. The fact is, in our opinion there is some danger in carrying the fancy for extra large bibs, or lobe development, too far. The most attractive individuals of the Spanish classes at New York and Boston were those shown in the above picture. They possessed bibs of good size, which at the same time were well formed and very smooth in texture, making a striking contrast to their beautiful coat of lustrous black plumage.—A. O. Schilling.



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THE MODERN WHITE WYANDOTTE

ONE OF THE MOST POPULAR OF OUR MANY VARIETIES. SHAPE AND COLOR WELL ESTABLISHED, MAKING THEM AN IDEAL FOWL FOR THE BEGINNER. HOW TO MATE FOR DESIRED RESULTS. THE SHOW ROOM AS AN EDUCATOR. LEARN TO DISTINGUISH DEFECTS IN YOUR OWN BIRDS. IMPORTANCE OF UNIFORMITY IN JUDGING. THINGS TO BE AVOIDED WHEN SELECTING BREEDERS

BY JOHN S. MARTIN Port Dover, Ont.



A FEW years ago the good specimens of this variety were rare. White birds with poor shape and good shaped birds with poor color were to be seen in every show. Now at all the big shows dozens of birds that would have been considered "stars" a few years ago do not even get into the money.

STUDY YOUR VARIETY

Before you can ever expect to make any progress, you must study your variety and learn to know a good bird when you see one. Take the illustrations of White Wyandottes in the Standard and study them in detail until you have them firmly imprinted in your mind's eye, then you must become thoroughly familiar with the description of both male and female.

But like all poultry literature, you might read this Standard description and yet not become a good judge of a bird unless you could see this applied to the actual birds, themselves. Here the show-room is a great and important factor. How common at the shows is the man who has such good ones at home but was too busy to get them ready. He can always tell you anything you want to know about White Wyandottes, and what good ones he has at home. This man is in that peaceful state of blissful ignorance and he will never wake up until he brings these birds out to the show and has them valued at their real worth. Then, in all probability he will find that they have hidden defects that he knew nothing of.

Preparing birds for the show teaches a man to examine his birds in a most rigid manner. How often we all have been sorely disappointed in a bird that we had been counting on for a coming show. When we began to handle this bird just before the show we found defects that simply made it an impossibility as a show bird.

VALUE OF SHOWING

My contention is that showing makes you competent to judge your own birds. The first two years I exhibited at our leading Canadian exhibition, I did not get a single mention in the winnings, but it did me a world of good and I learned what was required in a good show bird. Take your birds to the show, and if you are not fortunate enough to get a prize, get the judge to point out where your birds are deficient.

One of the most difficult things for some breeders is to see defects in their own birds, and good qualities in their opponent's birds. This is something that we all are prone to do, and we must be on our guard against it. Have your ideal firmly fixed in your mind and when you see a specimen that approaches this ideal, give it credit, no matter who the owner may be. I am unable to see any success ahead for the man who can see no one's birds but his own.

UNIFORMITY IN JUDGING

Judges have a heavy responsibility in seeing that they properly apply the Standard. No judge has any right to have fads. The specimens to which he awards the ribbons should be patterns for the other exhibitors to go by. Some judges make a fad of color and place the blue ribbon on the whitest bird regardless of shape. This is wrong, because according to the Standard, Wyandotte shape should exceed in value all color considerations.

THINGS TO AVOID

Chicks with single combs and dark green legs are disqualified and when large enough they should be marketed. Never place in your breeding



The grand old Langshan has remained popular with us for many years and is one of the good old breeds which has held its own chiefly on its merits. George Urban, Jr., Prop. of Urban Farms, Pine Ridge, Buffalo, N. Y., is the owner of one of the choicest flocks of Black Langshans in America today. We have made studies of numerous winners for Mr. Urban during recent years and among them we have found specimens that were truly wonderful in both type and color. As an example the male shown above, possesses a wonderful coat of lustrous plumage while his type is almost faultless. The tail and back are excellent and he is a good example of the true old fashioned Langshan with its abundance of tail furnishing of lustrous green sickles. Mr. Urban has bred many other varieties during the past twenty-five years, but for general purposes none have ever filled his wants better than the Black Langshan.—A. O. Schilling.

pen a bird having either of these defects.

Another defect and one which you should be very severe with is that of green or pearl eyes. The Standard calls for a red or bay eye, and in a breeding bird I always



WINNING WHITE LEGHORN PULLET BOSTON JAN 1914
BRED AND OWNED BY BONNIE BROOK POULTRY FARM
SARATOGA SPRINGS, N.Y.

It is indeed gratifying to American breeders of White Leghorns to note the wonderful egg records established by their favorites during recent contests. These records are made by specimens selected from average flocks of pure bred Leghorns as they are found in America, a fact which proves that the present modern ideal embodies the fancy and utility type. We refer to size and general body conformation of the breed as a rule and fanciers of White Leghorns may feel satisfied that their efforts during the last decade to produce an exhibition fowl have not only been realized, but the egg laying qualities have also been improved. The pullet shown above is an exceptionally good one, as a typical modern exhibition specimen, yet she was chosen from a flock which is kept for egg purposes as well as for the show-room. Bonnie Brook White Leghorns have been winning very well in recent years at such shows as Boston, Albany, etc., and in addition they also have been supplying a large egg trade enjoyed by Bonnie Brook Farms, Saratoga Springs, N. Y.—A. O. Schilling.

like a rich red eye, as this rarely fades and is the strongest from a breeding point of view. There is nothing that will reproduce itself so persistently as a green or pearl eye and a flock can be practically ruined in a few years by allowing males with defective eye color in your breeding pens.

Another section where so many White Wyandottes fail is the tail. So many have pinched tails and are narrow across the saddle. Try if possible to get a male very broad across the saddle and with tail nicely spread. By breeding only males strong in this section you will find a great improvement in your flock in a couple of years. Try to get small, neat combs on your birds. It spoils the appearance of a bird to see too large a comb.

Weak lobes are a serious defect, and I never like to breed a cockerel having this detect. Sometimes cockerels with sound lobes will show some white in their lobes as cocks, but this is not so serious and is often due to poor circulation.

NATURAL FADING OF LEG COLOR

While I always like cockerels and pullets with strong yellow legs, we will often find some of the whitest plumaged birds a little weak in leg color. If such a bird is good in shape and not too pale in leg, mate to a bird having strong leg color, and you need not fear results. Weak leg color in birds over one year old is excusable because every summer this leg color will fade. Some will get it back when they shed the scales from their legs, while others never regain this leg color. Why this is true I am unable to say, but it is nevertheless a fact.

Never breed from a brassy male, but be sure to distinguish brassiness from creaminess of plumage. The brassiness is wholly a surface color and is due to an exterior cause; namely, the sun, while creaminess is due to the pigment in the skin coloring the feather. In this case when the feather matures the oil dries up and the feather whitens. The best place for a bird with creamy plumage is right in the sun as this quickly dries up the oil in the plumage and when it is once white it stays white.

White Wyandotte breeders must be careful not to follow extreme ideals. I would like to quote from Mr. Sewell in his article on "Changes of Wyandotte Type": The main points in an ideal should always be to make it a safe guide in breeding and showing true ideas of beauty and utility."

There are various problems that often confront the breeder, that cannot be dealt with in an article of this kind. The majority of these are problems of mating and can only be decided by a test mating. Each breeder has his own poultry problems to solve and must work out his own salvation.



SECOND PRIZE RED HEN PALACE SHOW 1913
BRED AND OWNED BY
GEO. W. TRACEY, KINDERHOOK, N.Y.

George W. Tracey, Kinderhook, N. Y., has been showing and breeding Rhode Island Reds for many years and is considered one of the best authorities on breeding and judging this variety in the east. Mr. Tracey has never bred Reds by the thousands but has always had a good sized flock of the very choi est quality in his possession. He enjoys a fine business among many of the best breeders in this country, and has supplied many winners for the larger shows at different times. The hen shown above is one of the old original stock, so we were told, and possessed many admirable qualities. She was exceedingly strong and brilliant in color, also being very even throughout, while her shape is very typical for a three year old hen. She has retained her type, color and vitality wonderfully well, which speaks well for Mr. Tracey's R. I. Reds as a strain's characteristic.—A. O. Schilling.

HATCHING BY THE NATURAL METHOD

THE HEN AN EFFICIENT HATCHER BUT HAS HER SHORTCOMINGS. THE NATURAL WAY BEST UNDER CERTAIN CONDITIONS. SOME OF THE OBSTACLES TO OVERCOME, ALSO SOME THINGS TO BE BORNE IN MIND IF WE ARE TO SUCCEED. HOW THE SETTING NEST SHOULD BE CONSTRUCTED AND FACTORS THAT A GOOD SETTER SHOULD POSSESS. THE CARE OF SETTING HENS AND WHAT TO DO AT HATCHING TIME. WHO SHOULD HATCH BY HENS

BY ALEXIS L. CLARK



TO many people the hatching of eggs under hens seems to be an antiquated method and inadvisable under any conditions. If such persons had a better opinion of the practices of the majority of farm folks and knew that on over three-quarters of the farms in the country all chickens are still hatched in the natural manner they might have a little more respect for patient, motherly old biddy. More than that, many of the best breeders of fine poultry maintain special hatching houses for the use of sitting hens in the spring.

It is quite generally believed that small flocks of chicks under the tender care of a kind old mother will develop into a little stronger, bigger and more robust lot than large lots placed in an automatic heated, but cold hearted machine. We surely have found out that no one has ever yet invented a machine that would hatch better chickens than an old hen. We do know that machines do sometimes bring forth weak, shrivelled up little offsprings that apparently and probably have been born into this world only to endure a short time.

Now to those who for one reason or another are going to depend partly or in whole upon hens for hatchers this Spring the shortcomings of this method are interesting and ways of counteracting them should be investigated. In brief the weak points of natural hatching and brooding are: First, lateness in the season. Hens that as a rule do not show the disposition for other purposes, early hatching is almost necessary. With hens as hatchers this must partly be overcome by the quicker growth and development of the small flocks secured by individual attention and induced exercise from the mother. Second: Extra labor. This makes the hatching of large numbers an extremely questionable undertaking with hens. It should persuade us, however, to make our brains save our hands. Labor saving devices can be used to good advantage. Third: Chicks are not hatched free from vermin. We must use sanitary precautions to save our new born chicks from devastations from lice. After reviewing the many aggravating disadvantages of natural hatching, readers may be still more sure of their convictions that the hen is in no wise the equal of the incubator or brooder. She certainly is not for all general purposes and for the production of the average large flock. Modern incubators are more dependable than the average sitting hen and have no such obstinate wills as a cranky old hen. Not withstanding, however, the sitting hen will still remain for many years, the mainstay for replenishing the farm flocks and the method which particular breeders will depend upon to hatch out of their hundred dollar eggs and brood their coming blue ribbon winners.



FIRST PRIZE BUFF ORPINGTON COCK
CHICAGO DEC. 1913 BRED AND OWNED BY
HUGH A. ROSE FONTHILL. ONT.

There is no denying that the Buff Orpingtons are gaining in popularity and also that there is a great improvement in quality, as the specimens shown this season at our leading shows have been a revelation in type and color. It requires exceptional quality to win at such shows as New York, Boston and Chicago, therefore we consider the record of Hugh A. Rose, Fonthill, Ont., nothing short of marvelous, as at both New York and Boston, Mr. Rose's Buff Orpingtons won the display prize. The cock shown above was the winner at Chicago and we admired him very much for his beautiful, even, rich color. In type he was well balanced, being set well on legs, carrying a nice full breast and deep solid body. —A. O. Schilling.

CHOOSING A DEPENDABLE

Breed, age and disposition all are factors to be considered in selecting a reliable and persistent sitting hen. In general, it may be said, that those breeds that have the most Asiatic blood in them make the best sitters. Mediterranean blood tends to more nervous temperaments and poor sitting habits. The heavy Asiatics, such as the Brahmas, Langshans and Cochins, have this persistency to sit characteristic, but because of their size, heavy plumage, etc., are too clumsy to make the best mothers. American and English breeds are more desirable. Perhaps there is no better breed than the R. I. Red for natural incubation and brooding, although the Plymouth Rocks, Wyandottes and Orpingtons are very similar in this respect. Old hens are always more reliable than pullets. On some places old hens that have long since passed their profitableness from an egg production standpoint are found that are kept for the one purpose of rearing one, two or three broods of strong, lusty chicks each year. A good mother must be persistent enough so that she can be changed from the laying nest where she generally starts, to a quiet place especially provided for her, without changing her mind and maintain her persistency for several weeks. She must be of a mild disposition so that in handling her she will not become too frightened.

MAKING A GOOD NEST

Nests should always, where possible, be made on the ground. Upturned sods are often used on board floors. The center should be the only low place in the nest. Quite often nests are made which have low corners, over the edge of which some of the eggs are apt to be rolled and chilled. Short cut litter instead of long hay is much to be preferred for nesting material. The nest box if made so that the hen can be inclosed makes a safer box and is a better method to use than allowing the hen to go and come as she pleases. Most any number can be cared for in a single room with very little work if a little system is used in their management. Make the nest boxes in continuous rows all around the sides of the room. They may be made so that each nest is twelve inches wide and sixteen deep by twelve high. They can be made in racks out of long boards with partitions every twelve inches. There should

(Continued on page 508)



FIRST PRIZE YOUNG PEN BLACK ORPINGTONS CHICAGO COLISEUM DEC. 1913.
BRED AND OWNED BY HUGH A. ROSE. FONTHILL, ONT. CANADA.

Ideal Orpington type should be one combining beauty, to please the fancier's eye, and utility, to keep the breed in public favor for its useful qualities. Black Orpingtons were threatened by an exaggerated Cochin type in England and Australia, but we are glad to see American fanciers striving to produce a type which is sensible and reasonable, keeping utility in mind while striving to perfect a bird of good proportions. The group shown above were winners of first prize pen at Chicago Coliseum Show, December, 1913, and were bred and owned by Hugh A. Rose, Fonthill, Ontario. Rose's Black Orpingtons are distinctive in possessing the useful type above mentioned, as will be seen in the above study. These birds possess plenty of size and vigor, grand, deep, full breast, and well modeled bodies, yet do not show that objectionable excessive fluff often seen on many prize winners.

—A. O. Schilling.

THE WHITE FAVEROLLES

ONE OF THE LATEST ACQUISITIONS TO OUR LARGE AND GROWING LIST OF BREEDS. WILL BECOME IMMENSELY POPULAR IF BREED CHARACTERISTICS ARE ADHERED TO. WILL LOSE ITS IDENTITY IF NEW STANDARD REQUIRING CLEAN LEGS AND FOUR TOES IS ADOPTED. HOW CAN WE EVER HOPE FOR AN INTERNATIONAL STANDARD IF BREEDERS IGNORE BREEDS' STANDARD AND ADOPT ONE OF THEIR OWN. FAVEROLLES ARE HIGHLY REGARDED IN ENGLAND FOR THEIR STERLING LAYING QUALITIES. THEY MATURE QUICKLY AND MAKE CHOICE MARKET FOWLS

BY CLEM WATSON, Oxhey, Watford, England



THERE is now such a great diversity of breeds and color that the beginner in poultry farming hardly knows which breed to select and what one he could do best with. I am asked which is the easiest breed to produce, and the questioner looks astonished when I say there is not one, because all have their difficulties and drawbacks when it comes to reproduction fit for the exhibition pen.

Although of recent introduction, the White Faverolle provides a splendid opening for the novice or beginner, because it is of such modern development, that no one can be said to be at the top. If anyone makes the start at once, there is no reason why they should not come out in the front rank, providing they start with the right stock and keep on in the right way. Some would say this is not easy, but if the rudiments of breeding is understood and then an elementary knowledge of the breed gained, why the rest is easy and only needs someone to go ahead.

First of all the Faverolle is a table fowl and in England is largely used where a bird is needed to produce a good broiler at an early age. Right from the early stages they carry a good breast and can be killed as petit Poussins, milk chickens, broilers or left till they get much larger and then make big roasting chickens. For years the English poulterer thought that the only fowl for the table was the Dorking, but opinions have broadened and other varieties have stepped in and can hold their own with the best. Among these are the Faverolles, and the breed of the future is the White Faverolles and those who leave them alone will be left out in the cold.

The Faverolle is frequently referred to as the French Dorking, and in body shape they much resemble that breed. There must be length of back, because then you will get length of breast, or what is frequently termed a good keel. In all breeds produced for table use, breast meat is the most necessary feature and other points are subservient to the great idea. Thus if a fowl had the length of breast, width of body and size, this would and must count far more than a slight defect in comb, whether a side sprig, excess of comb or uneven serrations. When looking at the bird sideways, let there be plenty of body in front of legs and though not a full, round chest, there will be good length from the leg to the beak, the place where the breast meat is carried. Looked at from the front, the legs must be set wide apart, perfectly straight and no weakness or tendency to spread either in or out.

One of the great features of the breed is the head feathering known as the muff and beard. If all breeds were alike there would be nothing to work for and the fancier would soon lose heart, but these little points keep him busy, and he must heed them when mating up for reproduction. Just the same, the Faverolle is a feathered legged breed and one of the five toed varieties, and to produce them clean legged, with only four toes is to alter the variety altogether and take it away from its original idea. Being a French breed, and the French breeding to the standard, let us copy them in these details even if we increase the size.

I notice that the provisional standard as drawn up by the American Club allows clean legs and four toes, but where will this lead us? What is the use of discussing an International Standard if newly formed clubs will make ideas of their own and ignore or at least tamper with any breed which already has a standard made according to the ideas of the country where the variety was produced.

So far I have only referred to the White Faverolles as a table fowl, but besides this it is one of the most useful of layers. The great time for eggs is during the winter when this commodity is in great demand and when prices rule high, and though some of the lighter breeds may equal them during the summer, the White Faverolles have surpassed them all as a winter egg producer. This is when profits are made and the wideawake breeder will appreciate the goose which lays the golden egg.

Another very important feature is the size. Now with any fowl produced for table purposes there should be no limit as to size or weight, providing, of course, that it is put on in the right place, by which I mean that if the shape is right, the bigger the better. No doubt the colder climate of the states will not allow of the same length of feather as in England, but the body might be heavier and the quantity of feather should be a help to win rather than a hindrance. When at the last Boston show I saw four Whites exhibited by the Dictograph Poultry Farm, West Nyack, N. Y., and I thought them ideal birds, fit for the novice

(Continued on page 487)



FIRST PRIZE WHITE FAVEROLLE HEN
MADISON SQ. GARDEN N.Y. DEC. 1913
DICTOGRAPH FARMS WEST NYACK, N.Y.

"She is a model worthy of consideration as the ideal type for both England and America", said Clem Watson, the well-known poultry authority, who visited both Madison Square Garden and Boston Shows, where the above White Faverolle hen was a winner. At the present time there is much discussion about the advisability of adopting a standard demanding clean shanks for White Faverolles. In our opinion this requirement would be unwise for the welfare of the breed, as the ideal Faverolle in France and England has always been known to possess feathered legs and we see no good reason why Americans should demand something different. Slightly feathered shanks are very becoming to a breed which possess that unique and quaint characteristic of a profuse beard and muff. Furthermore feathered legs are a dominant trait of the breed and should be retained. K. M. Turner, prop. of Dictograph Farm, West Nyack, N. Y., owns some of the very choicest specimens of this breed in the country, all of which possess feathered legs, five toes and heavy beards and muffs. We hope that Mr. Turner will be able to duplicate this grand hen many times during the coming season as she is the best we have seen of this variety to date.—A.O.S.

TO RAISE CHICKS SUCCESSFULLY

IN THE FOLLOWING LECTURE, DELIVERED BEFORE THE AMERICAN POULTRY ASSOCIATION, IN CONVENTION ASSEMBLED AT ATLANTIC CITY, N. J., AUGUST, 1913, THE FUNDAMENTAL PRINCIPLES WHICH MUST BE OBSERVED IF THE FULLEST MEASURE OF SUCCESS BE OBTAINED IN RAISING CHICKENS IS FULLY OUTLINED. THE SUBJECT IS FULLY COVERED FROM THE PRODUCTION AND SELECTION OF EGGS FOR INCUBATION TO CARE AND FEEDING OF CHICK IN DIFFERENT STAGES OF DEVELOPMENT

BY PROF. HORACE ATWOOD

Poultry Husbandryman, West Virginia Agricultural College, Morgantown, W. Va.

IN discussing a subject on which much has been said and written, it is always wise to bring out as clearly as possible the principles involved, rather than to attepmt to discuss in detail the various ways in which these principles may be applied in actual practice. So, today it is my purpose to consider briefly what seem to be the important principles or factors that must be kept in mind in order to be most successful in the raising of chickens.

To start at the beginning, strong, healthy chicks can be produced only from the right sort of eggs. Eggs vary not only in respect to size, color and shape, but also in regard to other more deep-seated and fundamental characteristics which may influence profoundly the vigor and other attributes of the offspring.

INCUBATE HEAVY EGGS

Generally speaking, the heavier the eggs, the heavier and more vigorous the chicks hatched from them. Pullet eggs are small; therefore, use mature stock for breeders. Eggs in February and March, at least in this latitude, average heavier than at any other time in the year, hence hatch early. The extra size of eggs in the spring is probably one of the principal reasons why early hatched chicks are stronger than those hatched later. This factor has been brought out clearly, by investigation carried on at the West Virginia Experiment Station. The cold storage people too have known for a long time that early spring eggs are heavier and have a better "body" than those produced later.

Hens that are abnormally fat, or those which on account of too scanty feeding are too poor, or those fed on abnormal or poorly balanced rations lay eggs smaller than the average. Have the breeders in good, vigorous condition and feed them a ration containing enough protein, carbohydrates and ash constituents so that the eggs for incubation will be heavy and suitable for the production of strong chicks.

A hen that has been laying heavily for a long time, is reduced in vigor. Reproduction is one of the most exhaustive processes of nature. Many plants die after producing seed, and many animals give birth to young only at long intervals. Egg production is essentially a reproductive process, the equivalent of giving birth to young, and it stands to reason that a hen, after laying heavily for a long time, is not sexually as vigorous as at the beginning of the laying period. Anything that reduces the vigor of the mother reduces the vigor of the offspring. Breeding stock should never be expected to lay heavily during the preceding winter.

KEEP THE BREEDING STOCK ACTIVE AND VIGOROUS

In the early history of our country, large families were the rule. Necessity made our ancestors active. The families were large and the children strong. On the other hand, wild animals in captivity frequently do not breed. This is due, probably, in a large degree, to lack of exercise which may induce overfatness, or to a feeling of nervousness or insecurity. Sexual vigor is largely a matter of exercise, good food, fresh air and tranquility of mind, (Who is there who has not witnessed the decreased egg production due to frightening a flock of Leghorns?) while physical vigor in the individual depends at least as much upon an abundance of fresh air, exercise, good food and sanitary surroundings as upon heredity.

It is well known that under ordinary conditions it is easier to hatch and brood, by artificial means, chicks of the light, active breeds like the White Leghorn, than to raise chicks of the heavy, inactive breeds. May not this difference in the greater hatchability of the White Leghorn eggs and the greater ability of the White Leghorn chicks to live under artificial conditions be due to a large degree to the more active life that their parents habitually lead when kept under confinement? Here surely is an important principle that we must keep in mind in handling our breeders. Keep them active.

SELECTING EGGS FOR INCUBATION

As eggs become old the germs become weak. Finally death results unless the germs are kept at the proper temperature for their development. If eggs must be held some time before incubating they should be kept at a temperature not higher than 50 degrees Fah. and turned occasionally. Results indicate, too, that if



During the Palace, New York, Show, Mr. Campbell, superintendent of Wilburtha Poultry Farms, Trenton Junction, N. J., advised us that he expected to exhibit Columbian Plymouth Rocks at Madison Square Garden, and that he would show a Columbian Rock pullet which he believed would not be defeated for first honors. Mr. Campbell's predictions were fully realized, as he not only won first with this wonderful pullet, but in addition won first cock, first hen and third cockerel. The pullet shown above is one of the strongest colored Columbian Rock females we have ever handled. As a rule this variety does not possess well laced tail coverts and strong black wings, a quality which should not be overlooked. On the other hand breeders should not allow these birds to become so dark in the black sections that it will run into the white surface of body color, as this mars the beauty of the breed. Mr. Campbell has had long experience in producing this type of color markings and his Columbian Rocks and Wyandottes are good evidence of his ability in mating these breeds to produce the correct amount of white and black in the different sections where required. We hope Wilburtha Poultry Farms will in the future produce more of these excellent colored specimens.—A. O. Schilling.

eggs must be held for several days they retain their hatchability better if they are warmed for about an hour each day in practically the same way as though they were in a nest used regularly by a laying hen.

Eggs irregular in shape are generally laid by hens in which the oviduct is compressed by an excessive amount of fatty tissue, the effect being that the egg in its passage through the oviduct loses its normal symmetrical form. Such eggs should not be used as they indicate an over fat and hence debilitated condition of the laying stock.

Mottled eggs are those in which the shell substance is deposited unevenly. This condition of the shell may be detected by candling and is probably caused by some abnormal condition of the membrane lining the oviduct which condition in turn is inimical to the spermatozoa in their passage upward to fertilize the ovules. Mottled eggs are mostly infertile.

INCUBATION

It is not my purpose in this brief paper to discuss the subject of incubation, but there are one or two points that should be mentioned. The first is that there is a strong probability that the hen has been hatching chicks longer than any member of the American Poultry Association has been manufacturing incubators, and with this greater experience it is also possible that she may know fully as well how to maintain the vigor of her offspring. If one desires to hatch by incubators, however, it should be remembered that the embryos for their proper development require plenty of oxygen; that they should be maintained at the proper temperature; that cooling, when considered by itself, and not in connection with giving the eggs more air, slows down the vital processes and is injurious; and that the eggs are to be turned systematically if cripples are to be avoided.

I am not aware of any definite method of determining with accuracy whether eggs are receiving enough air during the incubating process. This can be gotten at, however, in an indirect manner by weighing the eggs from time to time and noting the loss in weight. This loss, provided the eggs are kept at the proper incubating temperature, depends to a great extent upon the rate of circulation of air through the incubator. The more rapid the circulation the greater the loss and vice versa.

In general one hundred eggs of average size and fertility when kept at the proper incubating temperature should lose ten ounces in weight every six days. A portion of this loss in weight is moisture and the remainder gases resulting from the oxidation processes taking place in the developing embryos.

For best results remove the chicks from the incubator as soon as the hatch is over. If they pant through lack of air or because they are too hot, they will be so severely weakened that it is impossible to raise them. Take them out of the impure stagnant air saturated with moisture and place them in the brooder as soon as possible after the hatch is over.

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It seems nothing short of marvelous to note the vast improvement of type in the best White Orpingtons shown during the last two seasons. A comparison of the birds exhibited as late as five years ago with those of today represent a great contrast in type. English and American breeders have accomplished considerable in giving to the poultry industry of the world so beautiful and valuable a breed as the modern White Orpington. Maurice F. Delano, Proprietor Owen Farms, Vineyard Haven, Mass., is entitled to much credit for having produced a good portion of the very choicest birds shown in this country. The male and female illustrated above appeal to us in many ways and seem to possess beautiful well balanced bodies of a sensible type and of true Orpington character, decidedly distinct and attractive as a show fowl, yet at the same time there seems to be nothing abnormal about their confirmation, which would tend to be a disadvantage in developing a breed intended for market and utility, as well as show purposes. The American type of Orpington as represented above is one most suited to the breed and breeders throughout the country should aim to produce more of this stamp. Mr. Delano is one of a few breeders in America who has worked hard to preserve this useful type of Orpington and no doubt his efforts will be appreciated even more in the future.—A. O. Schilling.

BUTTERCUPS AND THEIR STANDARD

PART II.

BREEDERS IN ALL SECTIONS HAVE DISPLAYED A DEEP INTEREST IN OBTAINING AN ACCEPTABLE STANDARD. BELIEVE ONE SUBMITTED HEREWITH WILL PROMOTE WELFARE OF BREED AND BE ACCEPTABLE TO MAJORITY OF BREEDERS. DESCRIPTIVE TERMS AS USED IN REGARD TO COLOR AND SHAPE. ENGLISH BREEDERS BECOMING IMPATIENT. STANDARD COMMENTS BY BREEDERS IN ALL SECTIONS

BY A. O. SCHILLING

EDITOR'S NOTE:—The first installment of this article, together with illustrations of ideal male and female, feather markings and combs, appeared in the November, 1913, issue of A. P. W., copies of which may be obtained upon receipt of 10 cents.

SINCE the publication of article appearing in the November issue of AMERICAN POULTRY WORLD entitled "Buttercups and Their Standard", we have received a large amount of correspondence from breeders throughout the country expressing their views as to what should constitute the ideal specimen, male and female. A portion of these letters are published in part with this article, in order that readers may be able to form an idea as to what some of the most active and prominent breeders consider their ideal. Many differ widely in their views, some of which we consider rather radical, while others are based on good sound judgment and practical experience. We have talked with many of the best breeders personally regarding the proposed Buttercup Standard and have been urged to take a hand in the matter, for the welfare of the breed.

ENGLISH BREEDERS IMPATIENT

We were informed by Captain Toozes of the Buttercup Club of England, that breeders across the water are becoming impatient in waiting for the new Standard, and have threatened to formulate one of their own, which we all know would be detrimental to the breed's welfare; if Buttercups are to become one of the world's greatest races of poultry. A Standard acceptable to both countries is the thing most essential at the present time and we trust that those breeders who may differ with us will appreciate the conditions and bear with us, should we offer suggestions not in accordance with their ideas, in the Standard description accompanying this article. We have studied the situation carefully and thoroughly, and the resulting Standard description is based on a general compromise to a large extent, but first of all we have tried to formulate a description which would fit the breed in all its characteristics.

NATURE'S LAWS MUST BE CONSIDERED

Nature's laws in breeding must be carefully considered above all things in an attempt to create an ideal which is possible to attain, yet at the same time the description of such an ideal must be in accordance with the description of other breeds now used and printed in the American Standard of Perfection. A Standard which is not in harmony with such description would have little chance of being accepted by the American Poultry Association which naturally, as we all know, would not help to make Buttercups popular and would actually retard progress.

We were in hopes of seeing an up-to-date and fitting Standard result from the recent meeting of the Club held during the Palace New York show. But alas it was a sorry disappointment in many ways. We shall not attempt to pick the flaws in it, as these are too numerous to mention, the fact is, it seems to us a poor attempt at best.

DESCRIPTIVE TERMS

In order that the reader may better understand our reasons for offering certain descriptive terms, particularly in connection with shape, we wish to make a few remarks by way of explanation. For instance, the recent Standard description sent out by Mr. F. S. Fifield, president of the club, used the term, medium size in determining Buttercup tail-shape. Medium is the term used in the present American Standard of Perfection in describing the length of the Plymouth Rock tail and surely we don't want to see Buttercups with tails no longer than those of Plymouth Rocks. All Mediterranean breeds are described in the present Standard as large or long and in our personal opinion the term moderately large as offered in accompanying description is not an exaggerated tail description, and we really believe that the tail of a Buttercup could well be termed, long or large. It really is in comparison to that of a Plymouth Rock or Wyandotte.

The next point of importance relative to the descriptive terms used herewith is that of the color term, orange-red used in preference to all others. We first determined that the majority of breeders wanted rather a light red male, although a few seemed to favor the darker shade, which we think is wrong. It would be necessary to double mate if your Standard required a dark red colored male in order to produce a female possessing the desired light golden buff ground color. Another reason, and we believe a very important one too, is, that many red breeds have been and are being bred too dark in color.

Not long ago we could find Partridge Wyandottes



FIRST PRIZE R. C. WHITE MINORCA HEN
MADISON SQ. GARDEN N.Y. DEC. 1913 BRED AND OWNED BY
GEO. TRACEY KINDERHOOK, N.Y.

The class of R. C. White Minorcas at the last Madison Square Garden Show while not exceptionally large, contained many specimens that possessed much merit. George Tracey, Kinderhook, N. Y., was among the winners in this class and exhibited a few of the proper stamp. Mr. Tracey says that h is new favorites as layers of large white eggs, and lots of them, are one of the best breeds he has ever owned. In flocks about the poultry yard or field they are pleasing to the eye, making them especially attractive to persons wanting a useful and beautiful breed of poultry. R. C. White Minorcas have had a good following ever since they were originated, and bid fair to become one of our most popular Mediterranean varieties.—A. O. Schilling.

so dark in color that it was almost impossible to distinguish the black stripes in hackle. There is no beauty in such a color scheme in our opinion and we urgently suggest, that Buttercup breeders keep their breed a bright orange-red or golden-bay, which is much more attractive.

It is a trifle premature to request or demand males of an even color over entire neck, back, wings and saddle, but we hope to see the time come, when the Buttercup male will be a fowl possessing one even shade of rich, bright orange-red over neck, wings and saddle with the breast in harmony with top color. We have used the term reddish-bay in describing breast, wing-bar and wing bay, as in our opinion, bay is a rich red color as seen on a good coated bay horse. There are many shades of bay, but we refer to the ideal bay, bright in color, yet not approaching sorrel or dark tan. The term orange-red is most fitting to the male's neck and saddle for the reason that his mate—the female—is described as light golden-buff, both colors containing a strong dash of yellow pigment, consequently must be closely related. We do not wish the reader to gain the impression that by orange-red we mean a dark buff male, not by any means.

If the term were reversed and described as red-orange, then orange being the root of the word, would be considered the dominant color and the shade described under such a term is closely related to golden buff or orange buff. On the other hand orange-red is much darker and redder. In this term, red is the dominant color or root of word, whereas orange is simply a supplement of the compound word used in determining a particular shade of red.

We have used the color term bay, modified in different degrees according to the sections described, and it will be noticed that in each case it designates the color of a feather or section which may be rich red with some gloss, yet that section does not possess the intense brilliancy and sparkling lustre as is found in other sections, viz: neck, back and saddle of male. Bay, is a bright rich color, with some gloss, but in our opinion this term fits the sections of breast, wing-bar and wing bay perfectly. In the spring of the year when the color is fresh and glossy, a bright lustrous red hackle may be correctly described as rich brilliant orange-red, but this same hackle, when it has lost some of its gloss and lustre in the fall, appears to be more of a light maroon or bay, than anything else.

The point we wish to explain is that we have described the breast as reddish bay, for the reason that it does not possess the lustre of hackle and saddle, yet reddish bay being closely related to orange-red would match a hackle of orange-red very well.

Undoubtedly some breeders will be of the opinion that the breast in most Buttercup males, shows a varying shade of color. This may be true, but if we are to have a Standard, it must be an ideal one. It would be folly to adopt a Standard which describes variations of color as they now exist in any imperfectly colored fowl. You would be setting the ideal too low, and furthermore it would appear amateurish to the well posted student of poultry culture.

Our reason for offering the term lustrous bright cherry-red as the color for wing-bows and back is that lustrous bright cherry-red is just a shade darker than orange-red as designated in hackle and saddle, yet is not too dark in comparison to cause a great contrast or unevenness of top color. A color term darker than cherry-red would give you a male having greater contrast of color between shoulders, back and wing with that of neck and saddle. This to our mind would be objectionable. We believe as previously stated and hope the time will come when Standard colored Buttercup males will be required to possess one even shade of orange-red over entire surface. At present this seems somewhat premature, but the present Standard should at least lean toward a fairly even color.

Body of male is described as light-bay, while fluff calls for bay color. The body of a bird is that section extending

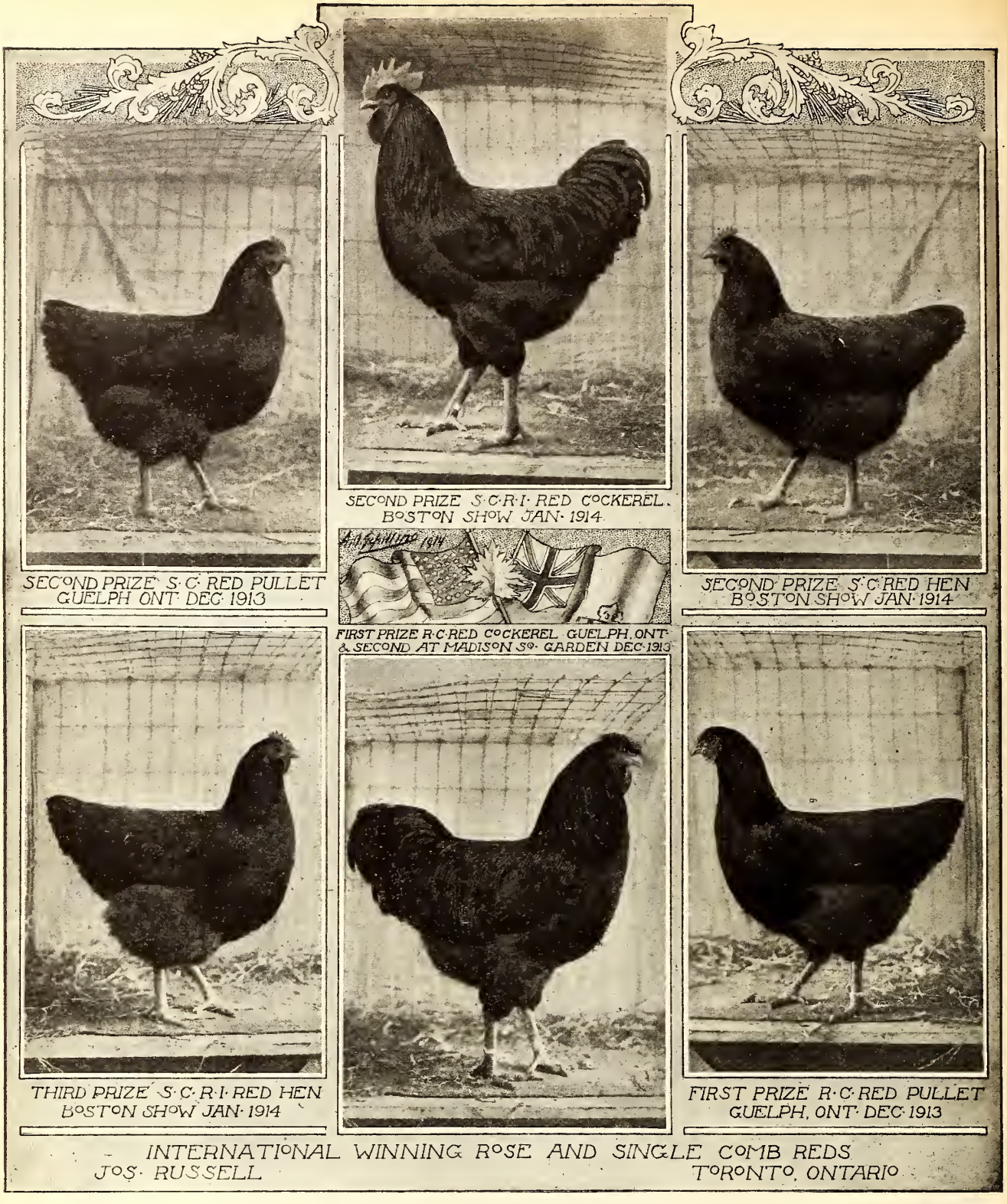
(Continued on page 516)



PROPOSED IDEAL PROFILE AND FEATHER - CHART FOR SICILIAN BUTTERCUPS

The above outlines represent suggested changes in comb and type of Buttercup illustrations appearing in November, 1913, issue AMERICAN POULTRY WORLD, also ideal feather for female back, wing and breast and spangled feathers for body-fluff and cape of male.

Each section is shown with ideal feathers in position as they lie in place on the fowl. Wing flights or secondaries on both male and female, exposed to illustrate correct marking.—A. O. Schilling.



The Rhode Island Red classes both Single and Rose Comb at the late New York, Boston and Guelph, Ont., shows brought out three of the finest displays of the two varieties of this breed that have been shown in America. Not only were the classes large and filled with birds of superlative quality, but practically all of the leading breeders were represented either with entries of their own, or with birds that had been purchased from them. At these exhibitions the entries of Jos. Russell of Toronto, Canada, were successful in winning many of coveted prizes. Standing out among his winners, the second prize Single Comb cockerel at Boston, was one of the best birds of the year. In type and color he was a truly remarkable specimen. His photograph in the above illustration was taken at the Buffalo Show held Thanksgiving week, a time when the cockerel had not fully matured. When we saw him at Boston, six weeks later, we were astonished with him. We had looked for improvement, but nothing to compare with that which had taken place. He was a large attractive looking specimen of rare type and strong brilliant color. The Rose Comb cockerel shown in lower section of group was winner of first at Guelph and second at Madison Square Garden Show. He also was a bird of the proper stamp, having very even surface color with strong black tail and excellent wing marking. Second and third prize R. C. Red hens at Boston we considered two of the best colored hens shown during the past season. They were also winners at the Garden and Guelph Shows. In the upper and lower corner pictures of above group are shown the first prize pullets in both Rose and Single Comb classes at Guelph, last December. They won in a very strong class and no doubt will mature into good hens holding their color well, as Russell's strain of Reds are known to do.—A. O. Schilling.

UTILITY WHITE LEGHORN SPECIALIZATION IN NEW ZEALAND

WHITE LEGHORNS AS LAYERS THOROUGHLY ESTABLISHED IN NEW ZEALAND. EGG LAYING CONTESTS HAVE DONE MUCH TO DEVELOP THE EGG LAYING TYPE. BELIEVES TYPE AND STRAIN MAKE THE LAYER. HEAVY LAYER NOT CONFINED TO ANY PARTICULAR SIZE OR WEIGHT. SELECTING LAYERS AND REPRODUCING THEIR LIKE. SOME POINTS LOOKED FOR WHEN SELECTING PULLETS FOR FUTURE LAYERS

BY R. O. JARRETT,

Prop. Willow Bank Poultry Farm, Masterton, New Zealand

DURING the past nine years the White Leghorn has thoroughly established itself as the layer par excellence in this Dominion. While we have in this country other breeds of utility fowls that have occasionally run the Leghorn close in public laying competition, amongst the number being Silver Wyandottes, which have made their mark as competition winners, with an average well over 200 eggs per bird for the year's total for pens of six, I must, however, leave other breeds at present for future reference, my immediate object being to deal with the specialization of utility White Leghorns.

Only a few years ago the man who would be bold enough to assert he owned a pen of six hens of any breed that had laid an average of 200 eggs per bird for twelve months, would have been openly accused with drawing the "long bow", by his fellow breeders. Those of us who have marched with the times in the development of the high grade layer, have seen the average per bird of all pens competing at a competition, raised from under 150 eggs, up to the 1912 competition at Papamoi, Christchurch, New Zealand, when Mr. W. A. Ninon's six White Leghorns averaged 272 eggs each, while of the fifty pens competing, the average per bird was over 200 eggs each, not all White Leghorns, other breeds being also represented.

Almost invariably visitors to our plant who happen to be in search of knowledge as applied to the modern laying strains ask me as to how this complete revolution from the old standard has been brought about. In my opinion the complete answer to this question, may be summed up in three words "Type and strain".

It is an old and true expression "blood will tell". Nothing is more decisevely proven in nature. In the laying hen blood will tell, has been my experience as it has also been the experience of our best breeders in this country. Whether in horses, cattle, sheep, dogs or poultry, blood and strain will tell. Select strong and vigorous specimens, male and female, true to type. That the heavy layer can be evolved along these lines has been proven in New Zealand by a number of men who specialize in utility White Leghorns.

Further that the heavy layer is not confined to any particular size or weight of bird has also been amply borne out. We have the little sprightly pullet from 3½ lb. weight up to the much heavier bird of 5 lb. and over. To the close observer, no matter what weight or size the hen may be, if she be a high grade layer, type will be her prominent feature.



WINNING WHITE LEGHORN COCKEREL, BOSTON 1914
BRED AND OWNED BY BONNIE BROOK POULTRY FARM
SARATOGA SPRINGS, N.Y.

When one considers the excellent winnings made by Bonnie Brook Single Comb White Leghorns at Boston, Albany, and other shows of equally high quality at which they were exhibited, it must be admitted that they are establishing a fine record. The cockerel shown in the above picture was one of the ribbon winners at the recent Boston show, and has the ear marks of a very promising specimen, having excellent style and finish with a good head and comb. In color he was remarkably white, which is one of the strong characteristics of this strain of Leghorns. Bonnie Brook Poultry Farm, located at Saratoga Springs, N. Y., is one of the finest poultry establishments in the state, and has a brooding capacity of over 8,000 chicks. The poultry at Bonnie Brook Farms is bred for utility purposes, as well as the show pen, making them especially valuable to one who is seeking a strain combining both beauty and utility qualities.—A. O. S.

At the time of writing this article, six pens of New Zealand utility White Leghorn pullets are entered in competition in the Missouri State Laying Contest in your country. This is assuming they have all arrived safely. American poultrymen who may chance to see these birds at Missouri will notice that they are not all of the same size, though very similar in type. Six of our own Leghorns are among these competitors and whether they will lay up to the New Zealand Standard or not, at this stage can only be conjectured. However, we have pinned our faith to type, and whatever their position at the finish, we do not anticipate any one hen will be very many eggs ahead or behind her team mates.

At the risk of being thought egotistical, I will now endeavor to explain my own method of selecting layers and reproducing their like. From the time the chick received its first meal, my aim is to keep it steadily growing to maturity. Briefly I may say, for years past I have used a mixture of cracked grains, wheat, oats, maize and other grains, feeding on this from the shell till chicks are six weeks old, after which they have dry mash and fresh water always before them. In the morning they have a moist, crumbly mash fed in troughs, at midday ample green food, and at sundown wheat and oats scattered in a deep litter. The chicks are reared in fireless brooders, at two months they are transferred to open front houses, at ten weeks to four months they are steadily weaned off the moist mash and from then on fed only on dry foods and green foods, and plenty of shell grit. When nearing the laying stage I inclose them in open front pens with trapnests. All pullets are banded with numbered leg bands. I may say here that when fastening on the numbered leg bands, the pullets are closely examined for any visible signs of constitutional or other weakness. We pen up only pullets which give promise of developing into ideal specimens, the principal features we look for being a quick, active, alert bird, with bright eyes, showing prominently out from the head. A neat, bright red small comb and tight feathering, long racy back, deep body, plenty of width between the legs, fine bone, short breast bone giving plenty of room at the business end, or egg basket, viz, the abdomen. Our New Zealand utility standard calls for a pullet to weigh 4½ lbs., no more.

The following is the New Zealand Utility Poultry Club Standard in judging:

Eye—large, prominent and bright, deduct up to.... 8 pt

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AMERICAN POULTRY WORLD

DEVOTED TO THE

Upbuilding of the Poultry Industry in All Branches

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STAFF ARTIST:
Arthur O. Schilling.

EDITORIALS

VOTES CAST FOR THE NOMINATION OF A. P. A. OFFICERS

Following are the votes cast in February on nominating ballots for officers of the American Poultry Association and for the time and place of holding the thirty-ninth annual convention, as reported by Election Commissioner O. L. McCord:

PRESIDENT

E. B. Thompson, Amenia, N. Y.	490
E. E. Richards, Cedar Rapids, Iowa	105
A. A. Peters, Denver, Colo.	10
Henry Steinmesch, St. Louis, Mo.	8
Reese V. Hicks, Topeka, Kan.	7

FIRST VICE PRESIDENT

Jos. Russell, Toronto, Ont.	348
A. A. Peters, Denver, Colo.	144
W. C. Cleckley, Augusta, Ga.	95
Louis Lee Haggin, Lexington, Kentucky	11
S. J. Hopper, Dallas, Texas.	5

SECOND VICE PRESIDENT

A. A. Peters, Denver, Colo.	263
Louis Lee Haggin, Lexington, Kentucky	173
Jos. Russell, Toronto, Ont.	41
W. C. Cleckley, Augusta, Ga.	23
Geo. O. Brown, Baltimore, Md.	5

SECRETARY

S. T. Campbell, Mansfield, O.	914
M. A. Northup, Orangeburg, N. Y.	15
John A. Murkin, Nashville, Tenn.	12
O. L. McCord, Peoria, Ill.	9
T. E. Quisenberry, Mountain Grove, Mo.	4

EXECUTIVE BOARD

Earl Hemenway, South Haven, Michigan	277
H. H. Collier, Tacoma, Wash.	260
C. M. Bryant, Boston, Mass.	254
N. R. Nye, Leavenworth, Kans.	203
S. J. Hopper, Dallas, Texas.	158
A. C. Hawkins, Lancaster, Mass.	158
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M. F. Delano, Vineyard Haven, Mass.	51
M. F. Schultes, Bartlett, Tenn.	50
Henry Steinmesch, St. Louis, Mo.	41
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PLACE OF HOLDING 39TH ANNUAL MEETING

Detroit, Michigan	397
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TIME OF HOLDING 39TH ANNUAL MEETING

Second Week in August	391
Third Week in August	72
First Week in August	22
Fourth Week in August	19
First Week in September	13

During the present month election ballots will be mailed to all members of the American Poultry Association—these ballots to be filled in, signed and remailed to the Election Commissioner, O. L. McCord, Danville, Ill., so as to reach him not later than May 5th. Seven officers are to be elected as follows: A president, a vice-president, a second vice-president, a secretary and three elective members of the Executive Board, these elective members each to serve for a period of three years.

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CANDIDATES THAT A. P. W. BELIEVES IT WOULD BE WELL TO ELECT THIS MONTH

For such good as it may do, and thinking that some of our readers may wish to have a suggestion or two, we give herewith the list of candidates that editor of A. P. W. is going to vote for in the election of officers of the American Poultry Association, which is to take place by mail this month:

President—E. B. Thompson, Amenia, N. Y.

First Vice President—Joseph Russell, Toronto, Can.

Second Vice President—A. A. Peters, Denver, Colo.

Secretary—S. T. Campbell, Mansfield, Ohio.

Elective Members of the Executive Board—N. R. Nye, Leavenworth, Kans., Henry Steinmesch, St. Louis, Mo., A. C. Hawkins, Lancaster, Mass.

Place of Holding 39th Annual Convention—Detroit, Mich.

Time of Holding 39th Annual Convention—Second week of August.

E. B. Thompson, as president of the association, is taking a keen personal interest in the affairs of the organization, is devoting valuable time to the work and is acting in harmony with men of experience who have the welfare of the association close at heart. He desires re-election and is entitled to it. E. E. Richards is not a candidate for president this year, but probably will be next year.

Unquestionably, Canada should be represented among the head officers of the association and voters on both sides of the boundary will make no mistake in the election of Joseph Russell to the position of first vice president. He is a man of high standing in his home city and country, is an experienced parliamentarian and a successful poultryman. If called on to preside at an A. P. A. meeting, he would do it with ability and fairness.

Mr. Peters is now second vice president and, judged by the number of votes he received on the nominating ballots, it is the choice of a large number of members that he be retained in this office. It was Mr. Peters who did so much for the association at the time it held its annual convention in Denver, three years ago last summer. Probably the office of second vice president will be abolished at the annual meeting to be held in August. Mr. Peters is to be in attendance as the present holder of this office; therefore if he is re-elected no additional expense will be incurred.

Because of pressure of business duties, L. L. Haggin, Lexington, Ky., has deemed it wise to decline the nomination for second vice-president. Mr. Haggin received a highly complimentary vote on the nomination ballots, but it was right for him to decline to accept election, provided it is not going to be possible for him to attend the next annual convention and thereby do his part to help along the good work. Mr. Haggin is that kind of a man.

S. T. Campbell, as hard-working secretary of the association, is to have practically no opposition this year. To date no better man has offered his services and Mr. Campbell has continued to work faithfully for the organization, and with good results. Assisted by Mrs. Campbell, he is one man among a thousand for secretary and the association has had "value received" during the five years he has held this important position.

No member of the organization will ever have cause to regret a vote cast for N. R. Nye, or for Henry Steinmesch, or for A. C. Hawkins. Each of these men, for a period of at least twenty-five years, has proved his loyalty to the poultry industry and each has done a great deal for the development of the standard-bred branch of the business.

More than thirty years ago N. R. Nye helped organize a local poultry association at Leavenworth, Kansas, and served as an officer for a long time. Six or seven years ago he took a prominent part in establishing the Kansas Branch of A. P. A. and for several years he has been president of the branch, adding numerous members to the parent association. Since 1907, he has attended a number of the annual meetings of A. P. A. and has taken an active part in directing the affairs of the association. To elect him as a member of the Executive Board will be entirely safe, as a well-deserved compliment to a man who has earned the right to this high honor.

Eighteen or nineteen years ago, when we paid our first visit to the St. Louis Fair, Henry Steinmesch was superintendent of the poultry department. He held that position for years and did valuable work for standard-bred fowls in the central-west. Still

later he was president of the St. Louis Fanciers' Association, year after year. He still holds that position—or is secretary, one or the other. For quite a while he was president of the Missouri State Poultry Association. During fifteen to twenty years he has "stood in the breach" many a time when the poultry interests of Missouri and the central-west needed help, personal and financial.

The work that Mr. Steinmesch has done for better poultry and more of it in Missouri, Illinois and other important poultry-growing states, during all these years, has cost him hundreds of dollars out of pocket. It has been mainly a work of love with him and now the appreciative members of A. P. A. have a good chance to pay the debt. Mr. Steinmesch has asked for your votes for elective membership on the Executive Board and he is entitled to this honor, if ever a man was.

To our way of thinking, the American Poultry Association, as re-organized in 1906-1907, with its present membership of more than 6,000 poultrymen and women, should be proud of the fact that leading successful poultrymen like E. B. Thompson, A. C. Hawkins and others are now willing to accept election to high offices at the gift of the organization. Eight or ten years ago, these competent, busy men would not have considered the matter of holding office in the association—not for a minute. It then had less than 800 members and its annual meetings were a joke. But now they feel differently about it—and we should meet them fully half way, so it seems to us.

To our personal knowledge, Mr. Hawkins has taken a keen personal interest in the welfare of the association during the last twelve to fifteen years. He has attended several meetings, has helped to protect and improve the Standard of Perfection at each revision and his services, first to last, have been at the command of the organization. Now that he is willing to accept office on the Executive Board, we ought to take advantage of his long experience in the poultry business, of his qualifications as a business man and his intimate knowledge of the best interests of the poultry industry throughout the United States and Canada.

The Michigan Branch of the American Poultry Association and the Michigan State Poultry Association have joined in inviting the American Poultry Association to hold its next annual convention in Detroit, Michigan's largest and most attractive city. Detroit's civic bodies and officials have endorsed this invitation. Chicago does not appear to be "keen" for the next meeting; therefore we believe that the voting members of the association should cast their ballots for Detroit.

The second week of August seems to be the popular period for holding these annual mid-summer meetings. It would be well to fix this week for the annual convention year after year, so that poultrymen and other friends of poultry culture can arrange their business matters and vacation trips accordingly. This next meeting should be one of the most important in the history of the association. The Standard of Perfection, 1915 edition, is to be finally acted upon, including illustrations, and a new Constitution will be submitted for adoption or rejection. Detroit is centrally located as regards the entire population of the United States and Canada, and really the attendance next August should exceed that of Atlantic City last summer, when 510 members and guests were present. It would be fine indeed if this summer's convention were to be attended by six to seven hundred members and guests. If not, why not?

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ASKS HIS FRIENDS TO VOTE FOR A. C. HAWKINS

Vineyard Haven, Mass.,
March 20, 1914.

Editor American Poultry World:

I want to thank my friends and fellow members of the American Poultry Association who cast their nominating ballot for me for the office of member from Massachusetts of the Executive Board of the American Poultry Association. I hope some day to run for this office and ask their support. Colonel Bryant has been a very valuable member of the Executive Board the past three years, prior to this time serving as president of the association for four years. I for one thoroughly appreciate the splendid work that he has done.

My friend, A. C. Hawkins, of Lancaster, Mass., is running for election to the Board. I know that he will make a very valuable member and he well deserves this honor from his fellow members of the American Poultry Association, and I believe that Colonel Bryant should be willing to stand aside after his many years in office and allow Mr. Hawkins to be elected. I hope that my friends who voted for me on the nominating ballot will cast their vote for Mr. Hawkins on the election ballot.

Fraternally yours,
Maurice F. Delano.

So far as we know, Colonel Bryant has not told the interested public why

BLUE WHITE and BUFF ORPINGTONS
Stock and Eggs $3 per 15. Guaranteed. Blue $5 and $7. Excellent Layers. Won 150 Prizes.
LONG ISLAND ORPINGTON FARM,
Box 1965, LYNBROOK, N. Y.

500 Columbian Leghorns
All brothers and sisters to New York, Boston, Baltimore, Providence winners.
EGGS after March 1st, $5.00 per 15.
Prof. JOHN EVANS,
Chestnut Grove Poultry Farm
CRANSTON, R. I.

NIAGARADOT
White Wyandottes
HAVE STARTED 1914 RIGHT
Sturdy, vigorous productive breeders have given early winter chicks full of vitality. They'll do more for us this year than ever before.
EGGS
that can do the same for you should be ordered now. From the pens we use ourselves $2.00, $3.00 and $5.00 per setting.
Grand Males $3.00, $5.00 and $10.00 each, if ordered at once. Send for catalogue.
MARSHALL & MARSHALL,
Box A, NIAGARA FALLS, CANADA



LEGHORNS
R. C. WHITE LEGHORNS, R. C. BROWN LEGHORNS
S. C. WHITE LEGHORNS, S. C. BROWN LEGHORNS
BLACK LEGHORNS SILVER LEGHORNS
BLUE RIBBON WINNERS NEW YORK, BOSTON, CHICAGO AND BUFFALO.
After winning practically a clean sweep at Madison Square Garden, we went to Boston with practically a new string and won display in each variety that we exhibited. Also won fourteen first prizes out of a possible seventeen. Our past records at America's leading shows stand unequalled. Our 48 page catalogue describing our matings and stock is free to you. We promise to satisfy any reasonable customer and aim to give value for value received or there is no sale. We have pleased hundreds of customers from the Atlantic to Pacific and can please you.
TURTLE POINT FARM, W. H. Manning, Owner, W. M. Anderson, Mgr., SARATOGA SPRINGS, N. Y.

he would like to be re-elected to serve another three years on the Executive Board of A. P. A. In August he will have finished his seventh consecutive year in office—four as president of A. P. A., and three as a member of the Executive Board. Unless a man has some strong reason for wanting to be elected for a further three-year term, making ten years at a stretch, it would appear that he must have a rather powerful appetite for "office holding". It is indeed time that the Colonel gave some other Bay State member a chance to distinguish himself.

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SECOND MEETING OF COMMITTEE ON REVISION OF A. P. A. CONSTITUTION AND BY-LAWS

The following report has been sent by Secretary Campbell to all poultry papers in the United States and Canada, with a request that same be published:

"The members of the Committee who are at work on Constitutional Revision met at the Oliver Hotel, South Bend, Indiana, March 7th, and were in session two days and one night. Members present:

"Messrs. E. B. Thompson, Grant M. Curtis, John H. Robinson, Frank E. Hering, Reese V. Hicks, U. R. Fishel, S. T. Campbell.

"This was the second meeting of the Committee, and like the first, harmony prevailed. We have every reason to believe that when this Constitution is finished it will meet with the approval of the members of the Association.

"The third and last meeting of this Committee will be held in the Statler Hotel, Buffalo, April 4th, 9 A. M. Mr. John H. Robinson will edit the Constitution and have the same printed. Final action on the new Constitution will be taken at the next annual meeting of the American Poultry Association, when it is hoped the largest number of members ever attending an A. P. A. meeting will be present.

"This Constitution will, in all probability, be in force at least five years. The Constitution will be mailed to members at the earliest possible date after the meeting at Buffalo.

"S. T. Campbell, Secretary,
"American Poultry Association."

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SAMPLE MARCH REPORTS OF "GOOD BUSINESS" THAT READ LIKE THREE AND FOUR YEARS AGO

In last month's issue we quoted reports from eight or ten prominent poultrymen in which they stated that business was unusually good during December and January and expressed the opinion that the outlook was favorable for March, April and May, with the prospects bright for a satisfactory trade in eggs for hatching and day-old chicks.

The above mentioned reports were from J. W. Parks, Altoona, Pa., breeder of heavy-egg yield Barred Plymouth Rocks; John S. Martin, Port Dover, Ont., breeder of White Wyandottes; Moore Bros., Moscow, N. Y., breeders of S. C. White Leghorns; Hugh A. Rose, Welland, Ont., breeder of Buff and Black Orpingtons; U. R. Fishel, Hope, Ind., breeder of White Plymouth Rocks; Percy A. Cook, Scotch Plains, N. J., breeder of Orpingtons, all varieties, and Wray Bros., London, Ont., breeders of Silver, Golden, White and Partridge Wyandottes.

Following are extracts from recent letters received from other well-known poultrymen—letters that have come to hand in the regular mail during March, none of these expressions of "good business" having been solicited by us:

"Columbus, Ohio, March 6, 1914.
"American Poultry World, Buffalo, N. Y.:

"We have sold practically all the stock we can spare this season and already are booked nearly a month ahead on eggs for hatching.

"Aldrich Poultry Farm,
"E. S. Aldrich,
"Breeders of White Orpingtons."

"Menominee, Mich., March 11, 1914.
"American Poultry World, Buffalo, N. Y.:

"Am practically all sold out and shall make a special effort to produce an unusual amount of fowls for fall, at which time I intend to go at it hammer and tongs. At this time am 150 sittings of eggs behind my orders, but my birds are laying fine, thus promising a big season in receipts.

"F. E. Harrison,
"Breeder of S. C. Rhode Island Reds."

"Catonsville, Md., March 12, 1914.
"American Poultry World, Buffalo, N. Y.:

"The demand for Dark Cornish of quality has never been so great as during this past season and I have disposed of all my surplus stock. Have added several imported birds to my breeding pens this season, some of which are prominent winners at the shows abroad. Have been swamped with egg orders the last two weeks. Weather is now favorable for shipments. My ad in AMERICAN POULTRY WORLD has proved a great puller for me.

"Dr. W. A. Low,
"Breeder of Dark Cornish Fowls."

"East Longmeadow, Mass.,
March 16, 1914.
"American Poultry World, Buffalo, N. Y.:

"Am literally swamped with orders for eggs. Am returning money to customers—sometimes two or three times each week. Have returned over $400 in cash to date this year. Rhode Island Reds certainly are going a very fast clip—with me at any rate. A good percentage of the inquiries mention AMERICAN POULTRY WORLD.

"F. E. Woodard."
"Breeder of Single and Rose Comb Rhode Island Reds."

"Petaluma, Calif., March 18, 1914.
"American Poultry World, Buffalo, N. Y.:

"We take pleasure in enclosing check for advertising space. Have not been able to take care of all the business offered us, being more than 700 incubators behind our orders right at the present time. The factory force has been working overtime two hours per day, five days per week since the second week in January.

"Petaluma Incubator Company,
"L. C. Byce, President.
"P. S.—Weather here is the hottest ever known during the month of March."

"Saratoga Springs, N. Y.,
March 18, 1914.
"American Poultry World, Buffalo, N. Y.:

"Your paper is doing good work for us. As a result of our advertising in A. P. W. we are getting a remarkable lot of inquiries and having a fine line of business.

"Bonnie Brook Poultry Farm,
"L. C. Bonfoey, Mgr.
"Breeders of S. C. White Leghorns."

"Birch Cliff, Ont., Can.,
March 18, 1914.
"American Poultry World, Buffalo, N. Y.:

"This season so far has proven exceptionally good, the orders for eggs for hatching have been beyond my expectations—in fact by the 15th of February this year I had booked just double the orders for eggs for hatching that I had last year at the same time. My last season's egg orders amounted to over $6,000.

"The demand for stock has been far greater than the supply. During the past twelve months I have shipped over 1,000 Campines and since the 1st of March I have had to return money and turn down orders for stock amounting to over $1,500. I already have a number

BYER'S ORPINGTONS

BUFF, BLACK AND PEARL WHITE

Fifteen Years a Successful Breeder of Orpingtons Only.

THE GREATEST PRODUCING LINE IN AMERICA

That's why you will profit by a purchase from me in either Stock or Eggs. I produce and sell Winners from Ocean to Ocean. I sell Eggs that do the same. I am the oldest Breeder of Orpingtons in America maintaining a reliable policy and a complete line of the Best Possible in Orpingtons. Hundreds of Birds for sale every month of the year. **EGGS — Best Possible Matings — $10 per 15; $18 per 30; $50 per 100.** 8 Chicks guaranteed hatched or I will replace full setting — Free. Utility Eggs customary price and terms. My Big Catalog and Spring Supplement is Free if you make clear your requirements.

C. S. BYERS, Orpington Specialist and Judge 15 Years, **HAZELRIGG, IND.**

of orders booked for stock for shipment after June 1st, both young and old.

"Eggs with me this season, up to date, have been hatching exceedingly well, considering the extreme cold weather we experienced in Canada during the latter part of February. I have a fine number of husky chicks out now, with about one thousand eggs set, all due to hatch in the month of March. My breeding pens this season number twenty-four and I expect to raise some wonderful birds.

"The poultry business in Canada is advancing by leaps and bounds. Canadian people are beginning to appreciate the fact that poultry properly handled is one of the country's greatest assets. Another thing, birds that stand our Canadian winters prove 'the survival of the fittest.' Campines have made good in this latitude and will do still better. They are indeed a fowl of sterling merits with an ancient pedigree.

"J. Fred N. Kennedy,

"Breeder of Golden and Silver Campines."

"Vineyard Haven, Mass., March 19, 1914.

"American Poultry World, Buffalo, N. Y.:

"I am very glad to be able to say that up to this date, March 19th, I have received as much cash for fowls and eggs, as Owen Farms received for the entire month of March, 1913, and I still have eleven week days during which to go far ahead of the corresponding month of last year. This is indeed encouraging, not only to my own business, but as indicative of a better year in the entire poultry industry. I am expecting April to go well ahead of last year and the eggs for hatching trade to be the best that it has been in two or three years.

"Owen Farms,

"Maurice F. Delano, Prop.,

"Breeder of Buff and White Orpingtons, White Plymouth Rocks, White Wyandottes and Single Comb Rhode Island Reds.

"Waterford, Wis., March 21, 1914.

"American Poultry World, Buffalo, N. Y.:

"The month of January was the biggest and best month I have ever had in the poultry business. February also was good, but fell off a trifle during the latter part—doubtless on account of the prolonged cold weather. Likewise the first week of March was slack, but since then it has picked up O. K. We are hatching out a good bunch of fine chicks and feel confident that results will be better than ever.

"We still have some good breeding stock for sale—not many, but some choice ones, and we shall have plenty of high-grade hatching eggs. Shall try to fill all orders promptly, but customers who want eggs for hatching should order early, without exception.

"H. W. Halbach,

"Breeder of White Plymouth Rocks."

Evidently the day-old-chick trade is not now seriously interfering with the sale of eggs for hatching. Last season and the season before, when business was slack, it was natural enough to blame pretty nearly everything in sight, but we do not believe the day-old-chick trade is going to put an end to the eggs-for-hatching trade—not by a long ways.

One mighty good sign this season, is the general increase in prices for day-old chicks. Formerly day-old chicks sold at eight to twelve dollars per hundred that are now being sold at from twelve to twenty dollars per hundred. It is now a common thing to find up-to-date, progressive poultrymen asking twenty-five to fifty cents for day-old chicks of real quality. Beyond this the specialty breeders are asking fifty cents to five dollars each—and as a rule they are not asking a penny more than the chicks are worth, in comparison with the same quality of hatching eggs.

U. R. FISHEL TELLS ABOUT UNITED FARMS COMPANY

SAYS IT IS NOT TO BE A TRUST, WILL NOT INCLUDE ALL LEADING POULTRY FARMS, AND IS NOT TO TRY TO CONTROL POULTRY EXHIBITIONS. ASKS THAT HIS ARTICLE BE PRINTED JUST AS WRITTEN. UNDERSTANDS THAT THE CAPITAL STOCK IS NOT TO BE ADVERTISED FOR SALE IN THE POULTRY PAPERS. BASIS AND AIMS OF THE MILLION DOLLAR COMPANY, AS PROJECTED

In the March issue of A. P. W., page 359, was published in full a news report that appeared on the front page of the Indianapolis Daily Star, of date February 12th, and that purported to be an interview with U. R. Fishel, Hope, Ind., the heading of which was, "Poultry Raisers Start $1,000,000 Farms Company".

In the above mentioned report or interview appeared the following statements:

"The corporation aims eventually to control all the leading poultry farms in the country.

"The promoters include all the leading poultry farmers of the United States.

"The corporation will have charge of the exhibitions to be given hereafter in various parts of the country."

In commenting briefly on the report that contained the foregoing statements, we said:

"Until Mr. Fishel, Mr. Cook, Mr. Tompkins or some one else has been given the opportunity to set the readers of the poultry press "straight" on this proposition, A. P. W. prefers to refrain from further comment. We have written to U. R. Fishel, asking him to submit a statement for publication, outlining what the proposed million dollar corporation is planning to do—which statement will be published in these columns, if furnished to us for that purpose."

Under date March 20th, we received a communication from U. R. Fishel, in his capacity as president of the United Poultry Farms Company, with the request that it be published in AMERICAN POULTRY WORLD and the Reliable Poultry Journal, just as written by him and we are pleased to comply. Following is Mr. Fishel's explanation:

GENERAL STATEMENT FROM PRESIDENT OF MILLION DOLLAR PROJECT

"Hope, Ind., March 20, 1914.

"Editor American Poultry World:

"I have just read an editorial in the March issue of Reliable Poultry Journal, page 84, commenting on the organization of a million dollar thoroughbred poultry company

"SILVER KING"



The Greatest Campine Sire Ever Bred. First Cock, Chicago, 1912, First Old Pen, Chicago, 1913

SILVER CAMPINES

Sweepstake Champions at Chicago

Among 159 entries, we won more prizes than all competitors combined

COCKERELS, 1st, 3rd, 4th	COCKS - - 3rd, 5th	OLD PENS - - - 1st
PULLETS - 1st, 2nd, 5th	HENS - - 2nd, 3rd	YOUNG PENS - 1st, 2nd

EGGS EGGS EGGS EGGS

I have eight pens mated, and I guarantee each is headed by a Chicago prize winning male. FREE—My 1914 Mating List, containing pictures of my prize winning birds by the foremost poultry artists in the country. Write today.

THE GREEN SHEEN STRAIN

FRANK E. HERING
SOUTH BEND, IND.
FANCIER AND BREEDER

and am greatly surprised that the editor should take so seriously everything that comes from a newspaper, especially as his long experience in the newspaper business should teach him how unreliable many things are that creep into print. As President of the United Poultry Farms Corporation, which has been incorporated under the laws of the State of New Jersey, with a capital stock of one million dollars, I feel it my duty to reply to your editorial and believe after your many readers have been given a full understanding of the reasons for and possibilities of this organization they will agree with me that it is a move for the betterment of the conditions now existing in the poultry business.

"What prompted this organization, no doubt, is the first question to answer. As individuals those interested in the United Poultry Farms have accomplished about all that can be accomplished by any one individual in the thoroughbred poultry business. We could, as individuals, continue to do about the same amount of advertising annually, but we could not hope to do much more than we have already done in the way of making a success of our individual farms. Therefore it occurred to me that with the united ability of the owners of the successful farms we have options upon, and with the facilities we would have at our command, as a corporation of this size, we could give the thoroughbred poultry business such publicity as it has never had before. We would be in position to enlarge our output, at reduced cost, and advertise more extensively at the same cost that is put into that end of the business now by these firms.

"The matter having been thoroughly considered for over two years by some of those interested in the proposition, we at last decided to incorporate as the United Poultry Farms, which was done on February 12th, 1914.

"What we are planning to do, is not to throttle the thoroughbred poultry business in any way, nor to form a trust, for any one with common sense knows the thoroughbred poultry business could not be formed into a trust.

"We expect as a corporation to reduce our expenses in every branch of the poultry business—every item of which the purchaser of thoroughbred poultry eventually pays.

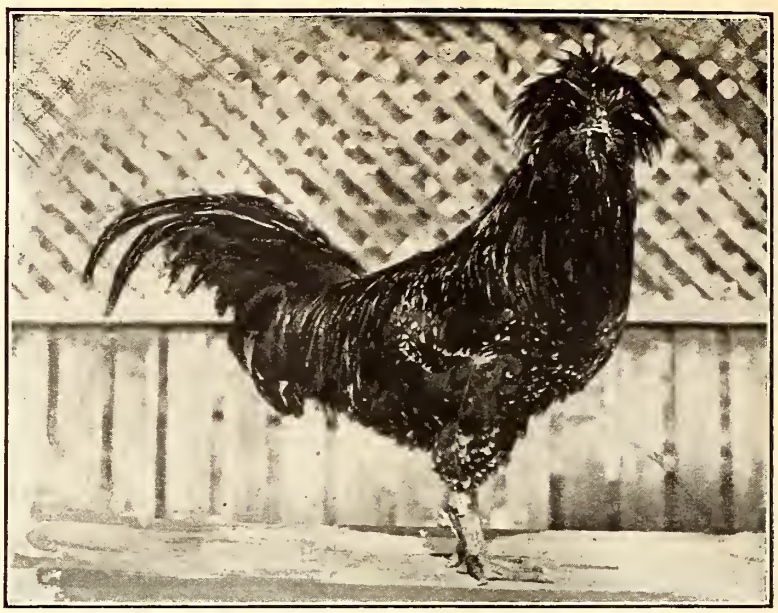
"We do not propose to control poultry shows, but, on the other hand, we do expect to exhibit at more exhibitions in all sections of America, making the exhibit of the United Poultry Farms an educational feature to be sought by any poultry exhibition. Where we now exhibit a few fowls of our one variety or breed, we will exhibit all the varieties and breeds we carry. This feature alone will stimulate the interest in the thoroughbred poultry business in a way that will be beneficial to the industry.

"The United Poultry Farms corporation will not control any thoroughbred poultry plants, except those it owns, and I believe we have the ability to control those farms properly and successfully, as has been proven by each individual whose farms are to be taken over by the corporation.

"We have not secured options on all the poultry farms in the United States, but I am pleased to say the farms that are to be united are among the most successful poultry farms in the world, and represent what we consider the best breeds for both utility and beauty.

"As to the establishment of a White Leghorn farm, I would say, it was our intention to do this, but since finding that the market poultry buyers of the country are discounting the price of Leghorn flesh as not desirable for the best table purposes, we have concluded to drop the White Leghorn part of our original plans for the present, at least, as we do not feel under the existing conditions that there will be as near a great demand for them in the future as there has been in the past, and they would not be a profitable addition to the United Poultry Farms Co., and we are only selecting those breeds that are the most popular and what we consider the greatest money makers from the point of both utility and beauty.

"That part of your editorial



"JIMCRACK"

This noted Houdan cock belonging to Harry Taylor, 82 Howard Park Ave., Toronto, Canada, has made a remarkable record in the show room, including winnings at Toronto, Guelph, Boston and other prominent exhibitions. At the club meet held during the late Boston show, this bird was one of the most admired specimens in the Houdan class, that was the largest and finest ever shown on the American continent. He had splendid size, grand type and in color was just about as good as any Houdan male we have ever seen. Mr. Taylor breeds only from the best. His mating list can be had on request, if reader mentions A. P. W.

ALDRICH WHITE ORPINGTONS

You can make money raising chickens if you start right—with stock or eggs from the Qualily Strain of the most Popular and Profitable fowls in the world

ALDRICH WHITE ORPINGTONS

They are the greatest winter layers, mature quickly, make broiler size in eight weeks, and add to these useful qualities their hardiness, beauty and gentleness and you have the ideal chicken. Send for our beautiful 60-page catalogue and mating list with color plates.

ALDRICH POULTRY FARM, 4034 High Street. COLUMBUS, OHIO

SEASON OF 1914

100,000 BABYCHICKS S.C. White Ever-lay Strain Leghorns

SEND for OUR 60 PAGE Catalog FREE

Two years ago we sold about 11,000 chicks; last year we sold over 60,000 and this year we shall sell over 100,000, and we could sell 250,000 if we only had the capacity. Our chicks have proved their value in the hands of our customers. We have satisfied hundreds that our stock is better in a dozen ways than the average White Leghorns, yet our prices are very reasonable.

$15.00 per hundred for our best chicks; $8.00 per hundred for our best utility eggs. Our No. 2 grade chicks (all selected birds) only $12.00 per hundred: eggs $6.00 per 100.

"A good poultryman always buys the best."

The Everlay Farm, Methuen, Mass.

wherein you mention prices to be paid for various farms amused me greatly and undoubtedly the party who gave you these figures was dreaming, or was considering he knew more about the private affairs of this corporation than does the incorporators. The officers of the United Poultry Farms Corporation are men of at least some business ability and I hardly believe any of them are publishing to the world their private business affairs; so the prices mentioned in your editorial will, without a doubt, be considered as a joke by all who read that part of the article, as no doubt there will always be some people that try to get some free advertising at the expense of some one else.

"Summing the whole matter up, as stated above, the United Poultry Farms is incorporated with U. R. Fishel as president, and Percy A. Cook as secretary and general manager. It is not a venture, for all the farms we have options on and will take over are successful paying poultry farms.

"I realize the movement is a new one and something too large for some people to grasp, but in a year or so we will prove to the thoroughbred poultry industry that we were progressive and saw the need of greater things in the poultry business. Fifteen years ago when I bought a 120 acre farm to build a poultry plant with one variety of fowls, wise heads, those that had been in the poultry business for half a century, said 'it is impossible for any man to make a 120 acre poultry farm pay.'

" 'It was impossible,' they said, 'to rear two or three thousand fowls on one farm'. What was the outcome? Not only has my 120 acre farm proven to these wise men that what was planned has been accomplished, but there are many other poultry plants equally as large, or nearly so.

"The United Poultry Farms is no dream, but is an established fact. Knowing that we are in the heart of the great billion dollar poultry industry and that according to the government reports there is more poultry raised from the western border of Pennsylvania to the Missouri River and from the Ohio River north to the Great Lakes than the whole of the rest of the United States, Indiana is naturally the logical point for the largest and most productive poultry farms. As the soil is adapted to poultry raising and as Indiana is one of the greatest agricultural states, we are in the heart of the grain belt, where we can obtain the best of grains at the least possible cost. There is not a more logical point for an enterprise of this kind to be found on this continent.

"We feel that if the editor was going to make an extensive enlargement of his incubaor or publishing interests he would hardly consider it any one's business, nor would he feel like giving the details to any

RUSSELL FARM

WHITE WYANDOTTES S. C. RHODE ISLAND REDS

Winners at the leading shows of the U. S. and Canada. Our record at Madison Square Garden and Boston is sufficient proof of quality. At Boston, Jan 1914 the White Wyandotte show of America, our White Wyandottes were awarded 1-5-6 Cock; 1-2-4 Hens; 3-6 Cockerels; 1-2 Pullets; 1-3-5 Pen. For complete winnings this season on Wyandottes and Reds, also prices on eggs and stock, write

RUSSELL FARM, 437-W. Jarvis St., TORONTO, ONT. CAN.

SMITH'S S. C. BLACK MINORCAS

My wonderful record of all 5 first prizes in a quality class at Boston, Jan. 12-17, 1914 proves conclusively that I have the quality flock of America. **My Complete winnings were 1-3 Cock; 1-3 Hen; 1-2-3 Cockerel; 1-2-4 Pullet; 1 Pen.** Better prepare for next season by securing some of this winning blood—Several choice cockerels for sale. **Eggs for Hatching or Baby Chicks**—Have 43 breeding pens mated and can supply hatching eggs or baby chicks in any number. Send for descriptive catalogue.

WM. A. SMITH, Box 536-W, METUCHEN, N. J.

SUNNYBROOK FARM, EATONTOWN, N. J.

January 15, 1914.

Gentlemen:—

We have had the best season in our history, making splendid winnings and supplying more high class winners than ever before. Our pens of White and Columbian Wyandottes are the best we ever mated, and we believe there is no better value to be found anywhere than in our "Eggs for Hatching." Our Mating List will be sent on request and gives detailed list of our winnings. Did you notice what a splendid record our White Wyandottes made in the Missouri Egg Laying Contest?

Yours very truly.

Charles D Collingwood

In Charge of Poultry Department

Grove Hill Again Runs Away With All First Prizes



and all Specials on Single Comb Brown Leghorns at Boston, 1914. Total winnings were 1-2 Cock; 1-3 Hen; 1-2-3 Cockerel; 1-2-3 Pullet and 1 Pen.

Our pens of Barred Plymouth Rocks for Display only were the admiration of all, and several specimens were conceded to be able to win the blue had they been in competition.

Only 10 settings each of Barred Plymouth Rocks and S. C. Brown Leghorn eggs will be offered by us this year at $25.00 per setting of 15 eggs. Yet our pens are so closely mated and every male seems so exactly fitted to his mates that chicks of the highest exhibition order are assured.

GROVE HILL POULTRY YARDS,

Box 804, WALTHAM, MASS

Wm. Ellery Bright, Prop., F. G. Cook, Supt.

THE UNDERHILL FARMS

EGGS FOR HATCHING: Our increased facilities with that of utilizing one entire farm to each breed, (two farms, two breeds) S. C. White Leghorns and Light Brahms, places us in a position to *defy quality and prices with expediency and absolute accuracy assured. No possibility* of anything but careful and intelligent selections of the highest of high grade *pure bred* S. C. White Leghorns and Light Brahmas. You take no chance, neither do we, Underhill gives his entire attention and time to them and nothing else, isn't it worth your consideration? To those ordering direct from this ad mentioning this Journal we will make this *most extraordinary low price.* Eggs from *exhibition matings White Leghorns* $2.00 per setting of 15 eggs. High grade utility *yearlings eggs $5.00 per 100, $40.00 per 1000. Fertility Guaranteed.* Baby chicks $10.00 per 100. One-quarter of the full amount of order at the time it is booked, balance at the time you want them shipped, we urge early booking, *a few more Brown Leghorns to close out.* 2 Yearlings (hens) 1 cockerel (worth $5.00) all for $3.50 don't wait. Order right now while you are thinking of it. *Send for catalogue, its free, and the reason why we are closing out all but two breeds.*

FORT ANN, N. Y., Box W, AN HISTORIC SPOT

one, and we do not feel that we should give the details of this corporation to the public at this time. But will say, that all of the farms in this corporation have been successful, paying farms and have been built up by their increased business to their present proportions.

"Summing the whole matter up, we will say: the United Poultry Farms will not control exhibitions, will not throttle any part of the business, nor is it in any sense a trust. What we will do is stimulate the poultry business, give more publicity to better poultry and produce more and better fowls than ever before.

"Yours very truly,
"U. R. Fishel, President,
"United Poultry Farms (Inc.)"

Mr. Fishel was at South Bend, Ind., March 7-8, as a member of the committee on revision of the Constitution and by-laws of the American Poultry Association and so was the editor of A. P. W. At that time we discussed with Mr. Fishel the basis and aims of the United Poultry Farms Company. While we do not feel at liberty to go into details, we believe we are justified in furnishing our readers the main facts.

Originally it was the intention to have the United Poultry Farms Company own, control and operate the poultry plants of U. R. Fishel and J. C. Fishel and Son of Hope, Ind., of Percy A. Cook, Scotch Plains, N. J., of E. B. Thompson, Amenia, N. Y., of D. W. Young, Monroe, N. Y., of Lester Tompkins, Concord, Mass., and perhaps others. There was serious talk also of having an incubator company and some poultry food manufacturer join the combination.

U. R. Fishel and his brother, J. C. Fishel, visited the Madison Square Garden Poultry show, December 26-31, 1913, and held several meetings in private, which were attended by Messrs. Thompson, Young, Tompkins, Cook and one or two others. We have it straight enough that at that time there was talk of paying E. B. Thompson $350,000 for his poultry plant, fowls and good will; of paying D. W. Young $150,000; of paying Mr. Cook $125,000; of paying Lester Tompkins $100,000; of paying U. R. Fishel $200,000 and of paying J. C. Fishel & Son $75,000. It will be noted in the foregoing statement from the president of the United Poultry Farms Company that such prices are to be "considered as a joke". Unless some one arises to object, let them be so considered.

OUTLINE OF THE GENERAL PLAN

The general plan to be adopted by the United Poultry Farms Company, as outlined at the Madison Square Garden meetings, and as confirmed by President Fishel at South Bend, is substantially as follows:

Options are to be obtained on a number of leading poultry farms or plants in the United States, these options to be in the form of contracts to the effect that the present owners of the farms, if the deals go through, are to sell out to the United Poultry Farms Company, at Stated prices, each owner to receive three-fourths of the agreed price in cash and one-fourth in capital stock of the United Company, and each owner also to agree to work for the United Company during a period of years, these owners respectively to remain on their home plants and continue to breed poultry as at present, except that each will receive a salary, these salaries to be fixed either by the option-contracts or by the board of directors of the United Poultry Farms corporation.

After options have been secured on the farms desired, or on those that can be induced to join the United Company, a prospectus is to be issued and efforts then will be made to sell the capital stock of the corporation. We asked Mr. Fishel at South Bend if it is the intention of the promoters of this million dollar poultry



The splendid specimen illustrated above won first in a strong class of 31 cockerels at the Greater Buffalo Show, Thanksgiving week, 1913. At the time of the show he was hardly "finished" and required another three weeks to be at his best. Since the show the saddle and tail furnishings have developed wonderfully. The saddle is very wide and long and the tail furnishing very abundant. Moore Bros. Strain have been systematically line-bred to develop stamina and egg production as well as show room qualities. A mating list that tells about them and the prices on hatching eggs and day old chicks will be sent on request.



RANCOCAS
White Leghorns and White Rocks

Have won the principal honors at five of America's largest shows, this season, including Madison Square Garden and Boston. Why not buy your hatching eggs where you can get the best?

Send for our complete winnings and mating list. Eggs from our best matings $10.00 per 15.



RANCOCAS POULTRY FARMS, Box 612, Browns Mills, N. J.

company to advertise the stock in the poultry journals. He replied that he did not think so—that the "fiscal agents" of the company are to be relied on to sell the stock and that if they do not sell it they will not be paid anything for their services.

In the event that the million dollars worth of stock can be sold, or a large part of it is bought by the general public and paid for in cash, the bulk of this money will be used in paying for the poultry farms or plants that are to be taken into the combination. The owners of these plants, therefore, expect to get satisfactory prices for their property, including real estate, fowls and good-will and to be paid in cash for same. What they accept in the form of capital stock may be regarded as being in the nature of a bonus, or an extra inducement to get them to come in and as a sort of guarantee to other stockholders that these leading successful poultrymen will work hard to earn dividends on all shares of stock that may be issued by the company.

How long these leading successful poultrymen will be required to work for the United Company at a salary and under contract, had not been decided at the time we talked with President Fishel, March 7-8, nor had it been decided whether or not these poultrymen or their sons, nephews, etc., would be prohibited from starting in business in competition with the United Company—perhaps breeding the same strains of birds, etc. There appeared to be quite a number of vital problems like these that had not yet been considered or acted upon.

Economy in production, economy in advertising and co-operation in exhibiting fowls, bred or owned by the United Farms, seemed to be the general trend of President Fishel's expressed hope for the success of the big project. Said he: "We shall be able to produce many fine birds at less cost, can combine our advertising, taking more space in the poultry papers than any single member could afford to take, at the same time getting it at a lower price and, furthermore, we can send a carload of poultry over the country, swinging down through the south and perhaps going as far west as the Pacific coast, this carload to be in charge of a competent salesman and to take in the best shows in different sections of the country."

At the Madison Square Garden Poultry show last December, D. W. Young declined to join the combination. Late in February, Lester Tompkins arrived at the same conclusion. At South Bend, March 7-8, President Fishel was in hopes that E. B. Thompson, before leaving for home, would decide to identify himself with the United Poultry Farms Company, or would give the corporation an option on his poultry farm at Amenia, on his fowls, "good will", etc., this option to include a provision that Mr. Thompson would work for the company on a salary, during a period to be agreed upon.

It developed that Mr. Thompson would be willing to sell out to the United Poultry Farms Company, if he could get his price in cash, exclusive of the capital stock offered; also that he might be willing to work for the corporation, in case he were to be paid a large enough salary and would be allowed to manage his plant and present business in his own way, or practically so, but he declined to be identified personally with the promotion of the project, or to allow his name or business to be used in selling the capital stock of the United Poultry Farms Company, either to the general public or to the poultry fraternity.

At the present writing, therefore, March 24th, those who have connected themselves with the United Poultry Farms Company are :U. R. Fishel, Hope Ind., president of the company; Chas. I. Fishel, Hope, Ind., vice-president; Percy A. Cook, Scotch Plains, N. J., secretary, and J. C. Fishel, Hope, Ind., treasurer. Options have been asked for from Victor Bradley, Barred Rock specialist, Lee, Mass.; from Chas. H. Latham, another Barred Rock specialist, Lancaster, Mass., and from W. C. Pierce of the Buschmann-Pierce Rhode Island Red Farms, Indianapolis, Ind., with farms at Carmel, Ind. We do not understand that options actually have been obtained from these men. Furthermore, we are of the opinion that only one specialty breeder is desired for each popular breed or variety—that is, if Mr. Bradley were to be taken into the combination, Mr. Latham would not be needed, or invited to join.

In view of the fact that President



"IF CHICKEN CHOWDER won't make your hens lay, they must be roosters". Full particulars and 48-page Poultry Book free for the asking. PURINA MILLS, 817 So. 8th St., ST. LOUIS, MO.

FOR SALE

Beautiful suburban home, modern dwelling, barn and equipped with several poultry houses. Nine acres, young fruit trees and large shade trees. Three miles to Buffalo, trolley at door.

Address SUBURBAN,
% American Poultry World, Buffalo, N. Y.

NO MORE HATCHING EGGS

All offers previously made for the sale of hatching eggs for this season are hereby withdrawn as we will increase our capacity fourfold during the next twelve mouths. Fall hatched cockerels ready for March delivery, $3.00 each. S. C. BUFF ORPINGTONS—Variety leaders in two Egg Contests.

CHERRY LANE FARM CO., O. Wilson, Mgr., OAK HILL, W. VA.

WILLOW BROOK POULTRY YARDS S. C. WHITE LEGHORNS THE KIND THAT WIN - LAY - PAY

Bred for perfection in standard requirements combined with extraordinary egg production Eggs $2.00, $3.00 and $5.00 per 15; Baby Chicks 15c, 20c and 25c each, Special price on eggs and chicks in larger quantities, Remember it is important to order both eggs and baby chicks now. That will iusure you of getting them when you want them. If orders are delayed until hatching season you may be disappointed. Capacity 20,000 Baby Chicks per season. Also cockerels for sale.

C. E. PEMBLE, Prop., Route No. 4, PEORIA, ILL

LLENROC REDS

(FORMERLY ALT'S REDS)

From coast to coast they have won the blue in 17 large shows this season. Some of their blood will help you win. *FELLOW FANCIERS—STOP AND THINK.* Four years in succession our cockerels have won highest honors at Buffalo and three years in our breeding pen has won the blue in competition with the best Reds in U. S. and Canada *EVENTUALLY "LLENROC REDS" WHY NOT NOW?* Cockerels and breeders at moderate prices. Matings *BEST EVER.* Eggs $15.00 per 15. *Get our free 1914 Mating List.*

HOUCK & ALT, 87 Fuller Street, BUFFALO, N. Y.



WILLIAM COOK & SONS

(Established 1873)

ORIGINATORS of all the ORPINGTONS

SCOTCH PLAINS, Box W, NEW JERSEY

EVENTUALLY if after the best Orpingtons, any variety including the *Blue,* you will send to their *ORIGINATORS,* Why not now? and avoid loss and disapointment. *SATISFACTION* and *SAFE DELIVERY GUARANTEED,* backed by a reputation of forty years. Send 10 cents for Illustrated Catalog with history of the Orpingtons and hints on poultry keeping. *Mating list free. EGGS* from our winners and the finest Orpingtons in the world $20 a setting, from fine stock $10. *We won in 1913,* 365 prizes including *170 firsts,* 105 seconds. Several thousand stock birds always for sale. *Advice free.* Inspection cordially invited. Over fourteen thousand first prizes won by us. *103 firsts in six showings in Madison Square.*

Fishel has stated that so far as he knows, the brokers or "fiscal agents", who represent the United Poultry Farms Company, do not intend to try to dispose of the capital stock of the big corporation through the columns of the poultry press, we do not feel called on to analyze this project, or to comment adversely on its chances of success. Therefore, at present we shall not go into details, but we felt that the readers of A. P. W. would like to know the main facts about this proposed million dollar combination of poultry farms, as a matter of general interest. It might have turned out to be one of the worst things that could have happened to the Standard-bred industry. That danger seems to have disappeared.

———o———

LESTER TOMPKINS NOT CONNECTED WITH UNITED POULTRY FARMS COMPANY

The following notice to the interested public is published at the request of U. R. Fishel, president of the United Poultry Farms, Inc.:

"TO THE POULTRY PRESS:—From reasons agreeable to all parties concerned, Mr. Lester Tompkins on February 27th, 1914, tendered his resignation as vice-president and director of the United Poultry Farms, Inc., and said resignation was accepted by the directors of said Corporation at a meeting held March 3rd, 1914.

"The United Poultry Farms, Inc."

———o———

WARD'S CHAMPION DARK CORNISH

Are fully described in Ward's Mating List for the season of 1914. This gives full particulars in regard to the prices of eggs, method of packing, and gives a guarantee in regard to fertility and also a personnel of his pens for 1914. All those interested in Cornish should send to J. W. Ward, Pennington, N. J., for a copy of this booklet.

McAVOY STILL IN THE POULTRY BUSINESS

IF E. F. McAVOY, THE HOUDAN FAKER OF CAMBRIDGE, N. Y., TOLD THE ATTORNEY REPRESENTING THE UNITED STATES DISTRICT CRIMINAL COURT OF NORTHERN NEW YORK THAT HE WAS GOING TO RETIRE FROM THE POULTRY BUSINESS, IT IS CLEARLY EVIDENT THAT HE DIDN'T MEAN IT. IS STILL AT IT IN JUST ABOUT THE OLD SWEET WAY

Readers of the January, 1914, issue of A. P. W., will recall that in December last, at Utica, N. Y., in the United States District Court, E. F. McAvoy, Cambridge, N. Y., notorious for years past as an advertiser of so-called "Faultless" Houdans, was allowed to "plead guilty" to a charge of using the United States mails for the purpose of defrauding persons to whom he sold Houdans, whereupon he was fined $750, which sum of money he paid and was allowed to go free, under a suspended sentence, after having been admonished by the court.

At the time that McAvoy was fined and again turned loose on the public, it is stated, on what is believed to be reliable authority, that in a conversation which took place between Assistant United States Attorney Thomas H. Dowd and McAvoy, when they were discussing the plea of guilty, with a suspended sentence, under a fine, McAvoy told Attorney Dowd that he would retire from the poultry business. As regards his being warned by the judge, following is a statement which Mr. Dowd, the attorney, dictated for publication in the poultry press:

ADMONISHED BY THE COURT

"McAvoy was arraigned and withdrew his plea of not guilty, which he interposed at the June, 1913, term of court, and entered a plea of guilty. Upon his plea of guilty the court imposed the sentence of the payment of a fine of $750, but admonished the defendant that if he did not in the future conduct his business in an honest manner, other charges, which were pending, would be vigorously prosecuted. Assistant

ORPINGTONS--THE QUALITY KIND

Choicest Imported and Domestic Birds in Either

BUFF, BLACK or WHITE Varieties

We can furnish at all times select show birds, excellent breeding stock, and young birds at small prices. Tell us what you want and let us quote you prices. Now booking order for hatching eggs. First Come First Served. Remember we are importers, exporters and breeders of **Orpingtons of Quality.**

CATALOG FREE

BRUCE FARM, Box W, LYNBROOK, N. Y

BEAUTY AND UTILITY WHITE WYANDOTTES



Crusader III. A Boston Winner

There is no branch of the poultry business that has received more abuse than that of selling eggs for hatching. That there are just grounds for a good deal of this, is also a fact. There are breeders selling eggs for hatching from weak debilitated stock. Their birds may possibly have show room records but it would be simply impossible to hatch strong, livable chicks from them. You cannot get something for nothing.

Regal White Wyandottes have a magnificent show record and this record was made by birds that have the vigor and stamina to reproduce themselves. For the past nine years in succession, I have bred, raised and exhibited the first prize cockerel at the New York State Fair. These winnings are not accidental but prove that my line of breeding is correct. **Think this over.**

When you buy eggs for hatching from my pens you get them from birds that are bred right, raised right and correctly mated. Can you not reasonably expect better success by starting with an established strain? If you are not satisfied with the results you are getting why not start all over with pure **Regal Strain?** Note what one customer says:

CONNEAUT, OHIO, December 12, 1913.

Dear Sir;—I received the two settings of eggs in good shape and hatched 16 fine chicks. Of the 15, I raised 15, one being killed by accident. I have six fine pullets and four cockerels that $10.00 each would not buy. They are beauties. I am more than satisfied with my deal and thank you for fair treatment. Will want more eggs. Yours truly, J. J. BOURQUIN.

Another customer, MR. F. O JAMES, of South Portland, Me., says: "I can honestly say that all the chicks hatched from your eggs were the hardiest and most rapid growers I have ever handled in fifteetn years."

Exhibition Matings (as they run) $5 per 15, $9 per 30, $12 per 45, $24 per 100; Pens 5 to 12 are special matings. Eggs from special matings only are $10 per 15, $18 per 30, $25 per 45, $50 per 100. **Record Laying Pens (Dorcas Line).** Pens 21 to 26 are headed by males bred from females with high records. Some of these males have exhibition records. The females in the six pens are yearlings with trap-nest records from 180 to 224, and pullets of the same breeding. From these pens eggs are $5 per 15, $15 per 50, $27 per 100. $50 per 200. Utility matings of vigorous surplus stock are $9 per 100, $17 per 200, $25 per 300.

SPECIAL.—50 Big, vigorous, matured Cockerels, $5, $10, $15, $20 and $25, also about a dozen fine trios and pens properly mated for quick sale. Free—20 page illustrated catalogue and mating list. It gives full description of my matings for 1914.

JOHN S. MARTIN, Box W, PORT DOVER, CANADA

District Attorney Dowd also stated that upon the receipt of further substantiated complaints of fraudulent dealings, further indictments would be found against McAvoy. The fine was paid."

Judging by the advertising McAvoy is still doing, also by the letters that are being received by AMERICAN POULTRY WORLD and the Reliable Poultry Journal, it is full time that Attorney Dowd took further action in the case of McAvoy—doing so under the conditions set forth in the above statement, as made by him. We present herewith a few sample cases:

FOUR DAYS AFTER HE WAS WARNED

McAvoy was fined in the United States District Court at Utica, N. Y., on Monday, December 15th, 1913. At that time he was running a grossly misleading advertisement in numerous daily and weekly newspapers of the country (having been refused access to the columns of the poultry journals) and on December 19th, four days after he paid the $750 fine, he was writing his characteristic, hot-air, misstatement letters in reply to inquiries he received from these false and disreputable advertisements. For example, under date December 24th, 1913, Otto W. Brenhaus, Lowell, Ohio, a subscriber to A. P. W., wrote us as follows:

"Lowell, Ohio, Dec. 24, 1914.

"Editor American Poultry World:

"Enclosed letter from Mr. McAvoy may be of interest to you. He has been running his ad. in Marietta Journal. After reading A. P. W. for December, I wrote him a letter of enquiry, just to find out what he would have to say. His letter speaks for itself. He surely has a wonderful strain of Houdans—world-breakers sure! The 300-egg hen is as common with him as fleas on a dog's back.

"Furthermore, he can tell just what eggs the chicks hatched from his hens will produce—knows just how many eggs each pullet will lay as a minimum. Wish I had his insight! I cannot even guess how many eggs an already grown hen will lay, under most favorable conditions. Hope you may enjoy a smile reading it, as I did.

"Very truly yours,

"Otto W. Brenhaus."

Following is a sample McAvoy porous-plaster letter, as written to Mr. Brenhaus, just a few days after the District Court of the Northern District of New York had fined McAvoy $750 for using the United States mails to defraud and after the judge of said court had "admonished" him, etc.:

"Cambridge, N. Y., Dec. 19, 1913.

"Mr. Otto W. Brenhaus,
Lowell, Ohio.

"Dear Sir:—I mailed you a catalog under separate cover—also a 1913 egg circular. Catalog is the

THE COMMON SENSE SIDE OF BUYING
My Tompkins Strain Rhode Island Reds

UTILITY BIRDS

My Utility Birds are straight Tompkins' Strain, just as much as my top notchers. They have got the blood, but they are not quite fancy enough to put them in the higher show grades. But for business purposes, we frankly believe, you will have a hard time to duplicate them—in fact don't believe you can do it for the price.

In my breeding of Reds, I have always worked towards keeping my birds a uniform, medium size, because it has been my observation that they make a better all around bird. Lay better and dress more uniformly for the market. Don't make the mistake of putting too much stress on size—results are what you are after—the kind that make a noise like money.

I never had a finer lot of Utility Birds or a better collection of Near Silks. Single Utility Birds $3, five or more $2 apiece. Utility Eggs, 15 for $2, or $10 per 100. Near Silk Eggs, 15 for $5, 30 for $8, 45 for $10, and $20 per 100.

SHOW BIRDS

I grade my birds close. For example if any of my Top Notchers don't notch up, as they should, I promptly put them in the Near Silk class. Tompkins' birds have got to grade right up to the Tompkins' standard and that's all there is to it.

I am conducting my business up here on my little old farm at Concord, Mass., not in a fancy chicken farming way, but on exactly the same dependable, result producing lines that were persued by my father and which have resulted in birds of remarkably uniform dependableness.

By that I mean—Tompkins' birds started winning 12 years ago, and every year at every place where shown—they have made **leading winnings.**

I do not mix my strain. The birds you buy of me, are Tompkins' strain. You can depend on it. I am not much given to "glowing enthusiasm" but it does seem to me that we never had a finer lot of Near Silks, Top Notchers, and Special Top Notchers.

The demand for eggs was never better and there's an unusual request for fine pens. Happily we have a fair supply still. If you want a choice Top Notch cock we have several that are worth $50 if they are worth a cent. Send for particulars.



This grandbird won first ribbon and shape special at the December, 1913, Madison Square Show, New York, against the strongest competition I have ever experienced.

MATING LIST

We have taken a little more pains this year in putting better descriptions in our mating list. In most cases you can order direct from it without correspondence. It contains all the prices on all our grades.

CATALOG

Whether you are going to buy any Tompkins' birds or eggs this year or not; you want our new catalog. We are not exactly bragging about it, but we do think it comes nearer being a real Rhode Island Red catalog than anything we have seen yet.

LESTER TOMPKINS
Tompkins' Rhode Island Reds

CONCORD, MASS.

last one I have of the 1913 issue—in fact it has been in printers' hands and is mussed up.

"I have 30,000 being printed and will mail you a 1914 catalog in two weeks. I will sell you a trio for $15.50, made up of a 1913 son of Lady Alice, egg record 288 eggs, and two fine laying pullets from my 1st prize Chicago hen, egg record 275 eggs. These two pullets are laying fine and all three are fine breeders.

"I have eight more full sisters to these two pullets that I will sell at $5 each, or the 11 birds (10 pullets and cockerel) the 11 for $50.00. These pullets will lay $50.00 worth of eggs this fall and winter and they will be fine breeders next spring.

"For $25.50 I will sell you a tested record trio. The male is an April, 1912, son of Addie, egg record 309 eggs. The two hens are April 6, 1912, daughters of Gladys, egg record 304 eggs. From Nov. 1, 1912, when these two pullets went into the trap nest pens to Nov. 1, 1913, they laid 261-280 eggs each. They wear the sealed stamped pedigree bands with their trap nest records stamped on inside of the band so they prove their identity on sight.

"I have five more full sisters to these two—all 7 within 3 weeks of same age. From Nov. 1, 1912 to Nov. 1, 1913, these five laid 280-284-284 290 297 eggs each. I will sell you the male and the four hens, 261-280-280-284-record, the 5 for $40.50, or the entire 8 birds for $60.50. These 8 Houdans will breed you pullets that will average 275 eggs each a year.

"I have egg bred these Houdans for the last 23 years. They will lay more eggs and larger eggs than any other fowl in existence. Every bird is sold on Honor. I will crate any fowl you buy in a light coop and I will guarantee you safe delivery of each bird to your home at my risk.

"These fowl are the only hens that will lay well in winter in our cold north, and if you want to go into a breed to make money from it no fowl will suit you as well as Houdans, for they are great utility birds.

"Very truly,
"E. F. McAvoy."

Pretty "fetching", isn't it? What a royal family of egg layers they are supposed to have at McAvoy's! There is Lady Alice, Addie, Gladys and the rest of them. When may we hear from Genevieve, Bernice and Margherita? Just why McAvoy should add on that extra fifty cents so frequently, in quoting prices to the sucker public, we do not know.

Following is another letter from Mr. Brenhaus, also a second or "follow up" letter from a man who today ought to be "doing time" in State's prison:

"Lowell, Ohio, January 8, 1914.
"Editor American Poultry Word:

"Replying to your letter of January 5th, I give you permission to use letter from E. F. McAvoy, mailed you December 24th, and in addition I enclose a 'follow up' letter I received from him. Also the advertisement he is running in Marietta Journal. My only request is that you will keep these letters from McAvoy in a safe place for reference.

"Have warned the manager of the Marietta Journal regarding the ad, but evidently he does not care to take the ad out of his paper.

"Very truly yours,
"Otto W. Brenhaus."

SAMPLE McAVOY "FOLLOW UP" LETTER

"Cambridge, N. Y., January 1, 1914.
"Mr. Otto W. Brenhaus,
"Lowell, Ohio.

"Dear Sir:—On Dec. 20 I wrote you about some Houdans and am holding 19 birds in two reserve pens until I hear from you.

"Will you drop me a line and let me know if I priced you what you wanted or not. If any of the birds I priced you interest you a deposit of 25 per cent. will hold them until

Authorities Pronounce
Jacobus -- JA - CO' - BUS
Campines -- KAM' - PEENS
JACOBUS CAMPINES - O. K.

WRAY'S WYANDOTTES WIN
SILVER, GOLDEN, WHITE, PARTRIDGE
New York, Boston, Chicago and Canadian show winners. Breeders for sale that have *twenty five years winning blood* to back them up. Get in line and be a winner next fall,
EGGS — $5.00 per 15. Cocks, Hens, Cockerels, Pullets.
THE WYANDOTTE YARDS OF CANADA, Box 194-W, LONDON, CANADA

Silver Campines of Quality
WINNERS AT THE GREAT BOSTON SHOW 1914
WE WON
1st Cockerel
2nd Cockerel
4th Pullet
6th Pullet
3rd Exhibition Pen.
Stock and Eggs for sale. Write for Circular.
GEO. L. FISH, WAYLAND, MASS.

PURITAN PARTRIDGE ROCKS
"THE QUALITY FLOCK OF AMERICA"
During the past fifteen months won 30 firsts, 28 Seconds, 21 Thirds, 14 fifths, Silver Cup, Gold Specials, Trophy Sweepstakes, etc., at eight Great Shows, Madison Square Garden, Detroit, Chicago, Cincinnati, Louisville, New York Exposition, Indianapolis and Illinois State Fair. Nearly three times as many prizes as all competitors combined. Our recent big win of 4 firsts and every special at Cincinnati in hot competition; every first at Illinois State Fair, four firsts Indianapolis, three firsts New York, four firsts and every special Detroit proves that **we have the best winning strain of PARTRIDGE ROCKS.** Fifteen of the best pens ever mated. Beautiful Illustrated Mating List Mailed FREE. - - - - - - -
BESUDEN BROS, Box 14-W, Evanston Sta., CINCINNATI, OHIO
R. W. STURTEVANT, Mgr.

you are ready to take them, when you can send the balance.

"If you want a business hen these birds will please you, for there is nothing on earth in my opinion that can equal them as great layers. All the birds I offered you are now laying fine. I put 27 of their eggs in a machine today. I always set eggs for my own use from Jan. 1st to March 1st, for after March 1st I am obliged to use every egg to fill orders after March 1st, and then hardly ever get my orders all filled.

"There is room in the midwest for a careful, honest breeder of Houdans to clear up $10,000 in a year—the demand for a great laying hen that will lay in winter and lay a large white egg and that are hardy and healthy. I love these Houdans—they are as beautiful as a bird of paradise and the best paying live stock proposition in existence.

"For 2 years I will answer free all questions as to feeding, breeding, mating, housing and selling these fowl—my interest does not cease when the sale is made—it only begins.

"Very truly,
"E. F. McAvoy."

That is an old dodge of McAvoy's—claiming to have put birds in a "reserve pen" and offering to hold them, provided a deposit is sent forward. Apparently he never fails to "cash" promptly all money orders and other remittances received by him—then he will wait weeks or months before filling the orders and in several cases that have come to our attention he has not filled them at all, until the postoffice authorities have been appealed to or he has been threatened with suit or imprisonment. In making these statements we are talking "to the book", and on evidence—not merely dealing in rumor or gossip.

In this leg-pulling epistle McAvoy tells Mr. Brenhaus that the Houdans are "as beautiful as a bird of paradise". So is a goose, or a duck, or a prize heifer.

The statement made by McAvoy in this follow-up letter that "there is room in the midwest for a careful, honest breeder of Houdans to clear up $10,000 a year", is also characteristic of the man. McAvoy is educated, has studied law, knows human nature and appears to be a capable salesman. Why shouldn't he be, in view of the fact that the truth is not in him and therefore he is at liberty to "put it on thick" to the very limit of human credulity, in the cases of men and women who scarcely know a chicken from a cook stove. It is that class largely which McAvoy is reaching through such papers as the Marietta (Ohio) Daily Journal, and numerous other small town dailies and weeklies.

FALSE CLAIM AS TO WINNINGS

In his advertisement in the Marietta Journal of date January 7, 1914, more than three weeks after he was fined and "admonished" in the United States District Court of the Northern District of New York, McAvoy offers "Faultless" Houdans for sale and claims that his strain has "won every blue ribbon at New York, Boston, Chicago and Philadelphia shows for the past six years". In his advertisement he also advertises "the largest illustrated poultry catalog ever issued", which he says will tell you "how to breed these fowls which average 250 eggs a year apiece", also "how to net $3,000 a year from 100 hens".

To this misleading advertisement McAvoy signs himself as "Secretary Houdan Club, Cambridge, N. Y."

No Houdan Club exists of which McAvoy is secretary. If he were a member of any Houdan Club in good standing, or in the American Poultry Association, he would be expelled at once from membership, beyond the shadow of a doubt—and he knows it. It is simply "dead rank" for the United States postal authorities (the criminal department thereof) to allow McAvoy to continue to publish this misleading and fraudulent advertisement in newspapers or other periodicals that are circulated through the United States mails and to thus solicit orders to be sent through the mails. Sooner or later the proper authorities, in the district where McAvoy is operating, will reach a point where they will act with vigor and finality.

AFTER VICTIMS AT MEADVILLE, PA., ALSO

Under date January 24, 1914, Dale Pringle, of Carlton, Pa., wrote us as follows:

"Carlton, Pa., January 24, 1914.
"Editor American Poultry World:
"Enclosed find clipping cut from

(Continued on page 528)

FISKE'S S·C·WHITE LEGHORNS

Read our records at leading shows of the country held during 1912-13 and 1913-14 and learn why "We Have Records to Crow About."

FISKE'S S. C. WHITE LEGHORNS have made an unequalled record on exhibition pens, winning 1st and 2d on two entries at Boston, January, 1914; 1st and 5th on two entries at Grand Central Palace, December, 1913; 2d and 5th at Madison Square Garden, December, 1913. At Madison Square Garden, December, 1912, 1st and 4th Pen. My winnings at Buffalo, 1913, have never been equalled, for I won every prize in the Single Classes, First and Second Pens and all Specials. Some of my other winnings are as follows: Grand Central Palace, 1913, First Cock, Fourth and Fifth Cockerels, Special for Best Shaped Male; Madison Square Garden, 1913, Second Cockerel, Third and Fourth Cocks, Fourth Pullet, Special for Best Headed Male, Special for Best Headed Female; also winning at the same time the $100.00 President's Cup for Display, same having been won three times in 1910-1912-1913.



"WE HAVE RECORDS TO CROW ABOUT"

If you wish to breed and raise your own winners, you should have some of my great birds to improve your stock. Grand Breeding and exhibition birds, cocks, cockerels and pullets. Singly, in dozen lots, or by the hundred, at prices to fit your purse. Besides being crack exhibition birds, FISKE'S S. C. WHITE LEGHORNS are "The Greatest Layers on Earth."

BABY CHICKS, HATCHING EGGS—Hatching eggs from the finest exhibition matings, $1.00 apiece. Hatching eggs from the greatest laying females, $10.00 per 100; $80.00 per 1000. Baby Chicks from exhibition ratings or listed laying stock by the 100 or 1000.

Send For My Catalogue At Once.

It is free for the asking, and will tell you more about FISKE'S S. C. WHITE LEGHORNS. How they are housed, mated and cared for at their new home at West Springfield, Mass.

H·J·FISKE
WEST SPRINGFIELD
MASS· Box No·1·

EDITORIAL NOTES AND COMMENT

WILLIAM C. DENNY
ASSOCIATE EDITOR

The illustration of White Faced Black Spanish appearing as a frontispiece in this issue shows four Madison Square Garden 1913-14 winners belonging to R. A. Rowan of Los Angeles, Calif. It is to be regretted that this breed so striking in appearance should be but seldom seen at our poultry Shows, for without doubt, they are one of the most unusual in appearance of the modern breeds and varieties of Standard-bred fowl. Black Spanish is the only breed in which the poultry breeder has joined the face and ear lobes, and developed the size of these sections to a really abnormal degree. As can be seen by the illustration of Mr. Rowan's birds, the face and ear lobes on both males and females are without dividing lines, being one solid white bib or apron to which the wattles, smaller in size and bright red in color are joined in a manner rather similar to that of other breeds. From our observation it would appear that face and lobes were in danger of being over-developed in size. We have seen a number of birds in which they were so large and heavy that they were a burden to carry. To our way of thinking, size of face and lobes should not be the determining factor in awarding prizes, rather it should be the smoothness and fineness of texture, and purity of color. Perhaps it is not saying too much to add that during recent years, Mr. Rowan has made a greater effort to make White Faced Black Spanish popular than any breeder at home or abroad has ever done. His magnificent exhibits of the breed that have been features of both the New York and Boston shows have attracted widespread attention and resulted in many becoming interested in them.

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A letter from August D. Arnold, Dillsburg, Pa., calls attention to an error in our remarks on Faverolles in March A. P. W. We stated that there were three varieties of the breed, having in mind Salmon, White and Ermine Faverolles. During the past year, English exchanges, also the Feathered World Year Book for 1914, have referred to two new varieties, Buff Faverolles and Black Faverolles. In new advertising copy in this issue, Mr. Arnold offers both White and Buff Faverolles. To the best of our knowledge this is the first time that Buff Faverolles have been offered by a breeder on this side of the "Herring Pond," and as there is a possibility for the variety to become popular, Mr. Arnold is entitled to the distinction of being the first to introduce and offer them to American poultrymen.



In writing of Silver Penciled Wyandottes and Horace Havemeyer, who has done a great deal to perfect this handsome fowl, Artist Franklane L. Sewell, writes as follows:—"Among the many beautiful varieties of the popular Wyandotte family, none have proved better layers in the yards of Horace Havemeyer at Stamford, Conn., than those with the Silver Penciled dress. No pattern of feather marking is more charming, and if the many who admire the fascinating intricate tracery of color on their elegant coats could realize how well this old Standard pattern has been established, a great many more would take them up and profit by their many useful and beautiful characteristics. Once understood, the penciled plumage is not so difficult to improve as many imagine, and its refined beauty is reward for all time and study spent upon its perfection. Mr. Havemeyer has not only found their plumage of exceptional charm and an interesting study to breed, but he has discovered them to be the greatest egg producing variety of the breed—worthy to win—able to lay. The winnings of Mr. Havemeyer's Silver Penciled Wyandottes at Madison Square Garden at New York and Boston Shows during last two years point to the fact that they are leading their class."

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What are specialty clubs for? Is it to advance the interests of the breed or variety in whose behalf they were first organized, or are they to be used to further the personal interests and benefit the business of some of the leading officers? This is an important question that must soon be threshed out and a remedy provided by some specialty club organizations if they are not to lose the support of a united membership. In discussing business with the secretary of one of the prominent specialty clubs at the recent Boston Show he said: "This last season I sold about $3,000 worth of hatching eggs, which with one exception I believe is more than was sold by any other breeder of the variety. Through being secretary of the club I can sell all the stock and eggs I can produce and really should not advertise at all. The only thing that I get out of my work as secretary is the opportunity to sell stock and eggs, without which I would not accept the job as my time is worth more than any salary that the club could afford to pay." This party, a long time acquaintance and a good friend, actually believes that he is entitled to the many opportunities to sell stock and eggs that come to him from persons seeking information about his variety and who naturally turn to the club officials for advice regarding



BUFF ORPINGTONS
FASHION PLATE STRAIN
100 Cockerels at $5 00, $10.00, $15.00, $20.00 or $25.00 each. Select your bird and we will fit the quality to your price and give 125 cents in value for every dollar you remit.
200 pullets and 50 yearling hens going at $2.50, $3.00, $4.00 and $5.00 each.
See the 1914 Orpington Fashion Plate Book; study the description of our 28 matings, Fashion Plate Bufis in natural color. 56 pages—FREE.
A. E. MARTZ & SON, BUFF ORPINGTON SPECIALIST, Box E, ARCADIA, IND.

the reliability and responsibility of breeders.

The secretary of another club is reported to have said recently, that through his official position as secretary of his club, he was placed in a position to sell all the stock and eggs that he could produce and that it was unnecessary for him to make any direct individual effort of his own to get business. Through our own experience we know that secretaries of specialty clubs are frequently asked for names of responsible breeders from whom high class stock and eggs can be procured. In such instances the secretary of the club, because he is secretary, should not take advantage of his fellow members by attempting to dispose of his own product.

The president of another specialty club will not see the annual meeting of that organization held at any show that will not engage him to judge the class, and because it happens that he has very radical ideas that are in opposition to the Standard description, small classes at the annual meeting have been the result, breeders are losing interest and the variety is not making the headway that it should.

How different it is with the Rhode Island Red Club of America, who have made it a rule that the secretary of the club cannot breed nor exhibit Rhode Island Reds. The secretary is paid a salary for his work, he gives it close attention, and as a result the club has prospered since the practice of electing active breeders and exhibitors of the variety was discontinued.

The American Poultry Association recognized the situation when in adopting the present constitution it provided that the secretary of the association must not actively engage in any branch of the poultry business, but must devote his full time and effort to promoting and advancing the interests of the association. It is not expected that any specialty organization has a sufficient amount of work to require the full time and services of a secretary, nor could they afford to pay a sufficient salary for all of his time and effort. On the other hand specialty clubs representing nearly all the popular varieties can afford to pay a fair salary to a competent secretary who will impartially attend to the work connected with the office, and do it promptly. Also, it would be advisable to adopt the plan of the Rhode Island Red Club of America and not elect a man who is active either as a breeder or exhibitor.

It is a mooted question as to just what is ethical on the part of secretaries of specialty clubs who are asked for information concerning stock and eggs, but it is our belief that when addressed for this information, a club secretary should not resort to the practice of sending out his personal advertising matter either with the club catalogue or under separate cover, nor if asked from what source reliable stock and eggs can be procured to write back and offer his own for sale. In this case he should forward the club catalogue and advise the person inquiring that the catalogue contained advertisements and a list of names of the members of the club, all of whom were looked upon as reliable and responsible.

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The following communication from D. Lincoln Orr is the result of our having said in March A. P. W. that he was "inconsistent". The statement was made because in his department in R. P. J., Mr. Orr stated that he was through showing white varieties "if it was necessary to blue and bleach in order to win", when in the next breath he declared that when judging he awarded first prize to a bird after he had removed some down from between the toes. Mr. Orr's "excuse" is as follows:

"American Poultry World,
"Buffalo, N. Y.

"Gentlemen:—I was very much pleased to note Mr. Denny's remarks in the March issue regarding my seeming inconsistency. These things are only points of view. In the Prince George Hotel, during the recent New York show, a number of fanciers were talking over a scheme. I remarked to E. B. Thompson the following little story: 'A spider clinging to the ceiling asked of the caterpillar what day of the month it was? The caterpillar looked up at the calendar and answered that it was the 9th, whereupon the spider looked down and said, you are wrong, it's the 6th.' It all depends on the point of view. Anybody can pick out different paragraphs in the Bible that are seemingly opposite and very conflicting in their apparent meaning. In my two little squibs that you reprint, I still stick to and feel that



THARP'S BUFF ROCKS A clean sweep at Easton (Pa.) Show, November 1913. Five firsts on five entries. Some choice cockerels and pullets for sale. Same blood as winners. Eggs from best matings $3.00 per setting.

R. S. THARP, 118 Rose Street, PHILLIPSBURG, N. J.

COVERT'S S. C. BUFF ORPINGTONS

Winners at the largest shows and grand Pens mated for Eggs and Baby Chicks. Send for catalogue and learn more about the comming **Buffs.**

HARRY COVERT, Specialist, 2500 N. 13½ St., TERRE HAUTE, IND.

GUARANTEED EGGS

Rhode Island Reds - - Rose and Single Comb



We are the largest breeders of this, America's most popular fowl and our birds have won the leading prizes in America's foremost shows, such as ***Chicago, Indianapolis, Madison Square Garden, Cincinnati, St. Louis, Kansas City Nashville, Atlanta*** and many other shows If you want to start right or strengthen your flock, you should get some of the eggs from the leaders of this breed. ***Our mating list is free,*** send sor it. Our beautilul Catalog of 64 pages contains many articles on raising and caring for poultry. It will be sent to you for 20 cents in cash or stamps.



BUSCHMANN-PIERCE RED FARMS

Office: 865 State Life Bldg., INDIANAPOLIS, IND.

FARMS: CARMEL, INDIANA

PARTRIDGE ROCKS--The World's Best Strain--BRONZE TURKEYS

Our ***Partridge Rocks*** won every first and second prize, they competed for at the great Chicago and New York Shows, Dec. 1913. Our ***Bronze Turkeys*** won 19 of the 25 prizes at the recent Madison Square Garden Show, including all firsts. The finest exhibition and breeding stock in chickens and turkeys always for sale. Write wants. Catalogue.

BIRD BROS., Box H, MEYERSDALE, PA.

I am not inconsistent. I feel it is not faking to remove a little down from between the toes of a clean legged bird, especially a Columbian Wyandotte, neither is it faking, from my point of view to remove off colored feathers. But, to take a bird and with the aid of drugs bleach that bird all over and make it appear in an unnatural condition, I maintain is dead wrong. A bird with a few stubs between the toes or an off colored feather can and will produce birds without these defects, but a bird that is bleached will not produce bleached birds or birds that are as white as bleached birds.

"The bleached birds, as a rule, do not deceive the judge, no one is deceived except possibly a would-be purchaser. The American Poultry Association is the guilty party who is inconsistent, and such men members of the Executive Board of which Mr. Denny is a member, are more inconsistent than I am. They will pass on birds that they know are bleached and no fault found, but if a poor little bird has a little down on its toes, they seem to gloat over the fact that they can disqualify. They 'swallow a camel and strain at a gnat'. They are narrow minded and inconsistent, 'must have other evidence besides the bird's rebleaching, that is elegant logic.

"Mr. Denny says, 'There is just as much faking connected with the removing of down between the toes as there is in bleaching plumage under present rules of the Standard of Perfection'. 'The rules of the Standard of Perfection' are good (?), it is so evident that anyone can find a clause in the Standard that will allow most anything. Bleaching has been legal in one place and illegal in another. It demands in white birds that which is unnatural, as a little creamy tinge in the quill is more natural than peroxide. The American Poultry Association is at fault wholly in trying to make laws that are not fitted to the breeds, therefore breeders use artificial means to get what nature cannot yet do, and until the association comes out like a man and makes things right, the broad-minded fanciers will be called inconsistent. I do not believe in a law that makes men worse, I do not believe in a law that is unjust. I do not believe in a law that compels narrow-minded judges to throw out the best bird. I remember well at a show a few years ago in Westchester County (N. Y.) that Mr. Denny gave a first prize to a White Wyandotte that had almost white legs, and I presume if Mr. Denny saw a better bird there with a little down between the toes, it would have been disqualified.

"Consistency is a jewel, but good common sense is worth all the laws the A. P. A. can enact in convention such as I witnessed at Atlantic City. Mr. Atherton came out a year or so ago, and said 'D. Lincoln Orr comes out publicly for what we all think and do privately'. I have talked to scores of judges who have told me they always pull out a little down from between the toes if the bird is otherwise worthy of a blue ribbon. I'll bet Mr. Denny has done it. It is only the little book judge who knows nothing but what he reads who disqualifies for down, or else he is a narrow seven-by-nine fellow, who can't muster up enough common sense to do that which the A. P. A. has not backbone enough to do, viz., remove disqualifications.

"I do not believe in capital punishment, would never vote to take away any man's life no matter what the evidence is. Neither would I throw out a bird that is innocent of any down at one show and full of it at another, if the bird was qualified to win otherwise. Give the bird a chance; we allow bleached birds to win, let the little down be no hindrance. But then 'what's the use with so many narrow-minded, weazened, paper-made judges backed up by an organization that hasn't spunk enough to drop creeds that are practically obsolete. I am glad there are some who stand for common sense and the time will come when a few of us will be called pioneers, as I feel we are the advance guard for right and justice.

"D. Lincoln Orr.

"Orr's Mills, N. Y."

In establishing ideals for any accomplishment, is it the purpose to make them easy to equal or attain? Decidedly not! If disqualifications were abolished, it would rob the breeding of standard-bred poultry of at least 50 per cent. of its interest and pleasure, and what is even more important, it would permit unscrupulous dealers to sell defective stock absolutely unfit for breeding purposes to those who are not familiar with the laws that govern poultry breeding. As a protection to the buyer, Standard disqualifications are one of the big assets of the standard-bred poultry business. By referring to the Standard, the purchaser may know that feathers, stubs, or down on clean legged varieties, side sprigs, wry tails, lopped combs, etc., etc., are unsightly defects to be avoided. To those wise men, I. K. Felch, Philander Williams,

GET MORE EGGS
Twice as many by feeding green cut bone.
MANN'S BONE CUTTER 10 Days Free Trial
No money in advance. Cat'lg free.
F. W. Mann Co., Box 355 Milford, Mass.

One Gallon of Oil to a Hatch
Send for FREE X-Ray Book No. 61. Tells how to save 75c to $1.25 every hatch—and get more chicks.
X-RAY INCUBATOR CO., Des Moines, Iowa

R. C. & S. C. R. I. REDS --- White Birch Quality
Breeding pullets and cockerels, also hens and a limited number of cocks, trios or pens.
WHITE BIRCH POULTRY FARM, BRIDGEWATER, MASS.

Terwilliger's R. C. Black Minorcas after 18 years of careful breeding for egg producers, have again in 1912 as in 1911—proven their claim of equal to the best by making 5 shows winning 21 firsts, out of a possible 23, and every 2nd and 3rd covered including Palace Show where they won every place covered by them. Cocks and Cockerels for sale and hatching eggs in season. Mating List on request.
G. W. TERWILLIGER, MILLWOOD, N. Y.

EGGS! EGGS! EGGS!
(POLANDS ALL VARIETIES)
We have mated 20 pens of Polands this year. Every pen headed by a Hagerstown, Baltimore or Club Show at Boston winner. We will furnish Eggs from Pen No. 1 at $5.00, Other Pens $3.00 per 13 Remember we are **the largest breeders of Polish in America.** Also Eggs from Champion matings of **Partridge Cochins, S. S. Hamburgs, Black Hamburgs, White Hamburgs, Houdans, Spanish, Blue Swedish** and **Blue Orpington Ducks.** Eggs $4.00 per 13. A grand lot of breeders and exhibition birds for sale.
SUNNY SIDE POULTRY FARMS,
Braun Bros., Props., R. F. D. No. 2, SYRACUSE, N. Y.



Halbach's White Plymouth Rocks
Just off the press—My new grandly illustrated 32 page catalog filled with common sense, down to the minute useful information. Tells you all about raising chicks, feeding for fertile eggs, breeding, etc. Sent to any address upon receipt of 20 cents. You need this latest book. Like *Halbach's White Rocks* it is of *Superior Quality.*

Eggs from Best Matings ever put together $12.00 per 15. Our winning of every first and second and five thirds at Chicago (this season) proves this contention. Our strain holds the world's record. Eggs are hatching fine and you have the same chance as I to raise next season's sensational winners.

Utility eggs $10.00 per hundred, Grand Bargain.

A fine assortment of stock to supply your wants offered at reduced rates.

H. W. HALBACH, Box 3, WATERFORD, WISC.

CROOKS' S. C. REDS have proven their quality during the past season by winning 16 firsts, 7 seconds, 2 thirds, 2 fourths and 3 fifths and many specials and cups, including $25.00 Cup for highest scoring bird in show at Cleveland, Akron, Wooster, Barberton and Cuyhoga Falls. **Crooks S. C. Reds** possess the best blood lines in America including Old Acres and Tompkins and if you want quality or utility stock I can meet your requirements. Still have considerable stock for sale Eggs from splendid matings from $1.50 to $10.00 per fifteen.
SUMNER G. CROOKS, Box W, LORAIN, OHIO

J. Y. Bicknell, Ben Pierce, and others of their time who introduced disqualifications to the American Standard and made rigid rules to govern, is due much of the credit for the standard-bred poultry of America of today being more uniform and of a higher average quality than that of any other country.

If it seems severe to disqualify for "down between the toes", will Mr. Orr tell where "down" leaves off and feathers or stubs begin? Will not some of the "narrow-minded, weazened, paper-made judges" make mistakes in distinguishing between them? "Down" was dropped from the 1905 Standard and was put back into the 1910 edition. While the earlier Standard was in effect, there was more controversy over "the difference between down and feathers" than before or since, over the question of specimens being disqualified for "a tiny bit of down".

Mr. Orr says "it all depends on the point of view". Let Mr. Orr tell us if he is not supposed to judge poultry classes impartially, without showing favoritism to any bird or individual? Also, whether or not in removing down from between the toes of a specimen in order to be able to award that bird first prize he did not actually favor the winner and deal unfairly with every other specimen in the class as well as the owners of the other birds? Was he, as judge of the class, not open to greater criticism and censure for having removed a disqualification than if it had been done by an exhibitor?

Mr. Orr emphasizes on the evils of bleaching, a subject that has been the target for many writers, a few of whom know more than they have told and many others who have endeavored to make it appear that they know more than they care to tell. To read the writings of some of the latter, the reader is really led to believe that pure stay-white birds are unnatural and can be produced only through peroxide, ammonia, blueing or some other baths of a chemical nature and not as a result of careful selection and breeding. Such rot! We'll wager that Mr. Orr and others who have had much to say on the subject of "bleach or not to bleach" cannot distinguish between a bird that has been treated with either peroxide or blueing, and a pure white bird that has been put in show condition by such past masters of the art as D. W. Young, Maurice F. Delano, Frank F. Davey, Geo. J. Kerr, Len Rawnsley and others.



A splendid example of the down-to-date exhibition type of Barred Rock female. Owner Jas. T. Huson, Williamsport, Pa., has been successful in producing "crack" birds of this variety that have won in hot competition at some of the leading shows of the east. His matings for the 1914 season are the best he has ever owned. His prices for eggs are low considering the quality. His mating list with full information will be sent free to any reader of A. P. W. who will ask for a copy.

Contrary to common opinion, any of the so-called bleaching processes that we have heard of will not make a yellow bird white; the most that can be said for them is that they remove

More Money for You



WHY NOT BREED

Silver and Golden Campines

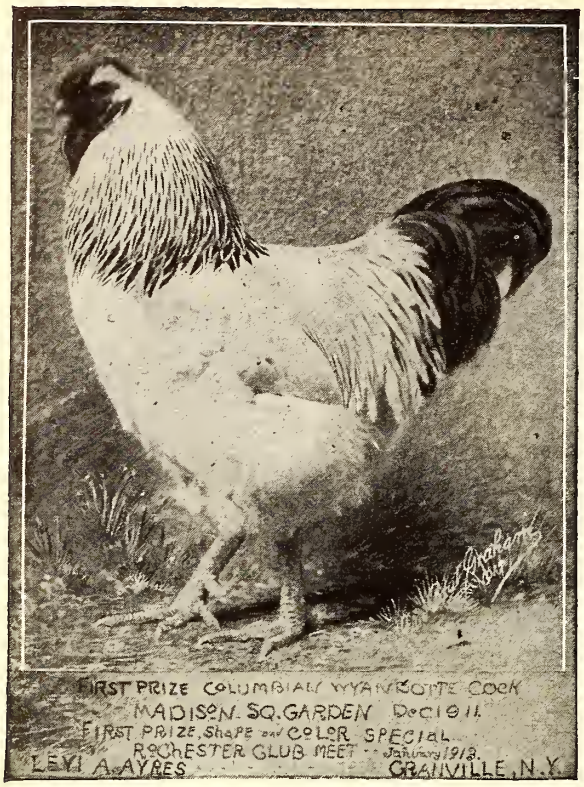
Get started right. It's half the fight. It costs no more to have eggs from the

Pacemakers of America

THAN FROM INFERIOR STOCK

Our winnings at Madison Square, Grand Central Palace, Boston, Philadelphia, Allentown, Hagerstown, Buffalo and Rochester prove conclusively our claims. To popularize the breed, eggs from Champion Matings are offered at $1.00 per egg. Excellent Matings 50c per egg. High-class utility matings $4.00 per 15. Mating and stock list ready. Send in your order today. You cannot go wrong. The time is now.

MANHATTAN FARMS, GEO. E. NOETH, Owner BRIGHTON, N. Y.



COLUMBIAN WYANDOTTE MALE

The Wyandottes are among the most popular of our breeds of poultry, possessing all the features that go to make a general purpose fowl. Among the several varieties of this breed none are more deserving than the Columbian variety with their beautiful feather markings combined with their fine laying abilities. Among those who have attracted public attention with this variety is Levi A. Ayres, Granville, N. Y., whose splendid record at leading shows testifies to his ability to produce specimens of the highest quality.

the oil or sap from the plumage, dry or ripen the feathers as it were, and put it in condition that it would be six weeks or two months later in the season. If the work is carefully done, the judge or breeder does not live who can positively say that the bird has been bleached. To bear out our statement that peroxide and blueing, etc., only removed the oil and ripens the feathers, if breeders will examine their birds during the natural breeding season they will note that there is an entire absence of oil or sap from the feathers and that when washed with soap and water only, the plumage will be much whiter than if washed with but soap and water during the show season, and furthermore that it will be equal in whiteness to birds that have been subjected to either the peroxide or blueing treatment. Some of those who have said the most against the "bleaching system" are those who have not been highly successful in their efforts to master the art of putting exhibition stock into prime condition for the show room.

Mr. Orr's brickbats at the American Poultry Association, its officers and the Standard have been large and numerous. We have heard him say that he gets a "lot of fun out of it", but is it not a poor plan to ridicule an association that has honored him with the highest office within the gift of its members? Mr. Orr has been both president and secretary of the American Poultry Association and during his terms of office we have never heard of any attempt on his part to correct any of the things that he appears to take great pleasure in finding fault with.

—o—

At the annual meeting of the American Barred Plymouth Rock Club held during the Indianapolis, Ind., Show February 5, 1914, a resolution was adopted to reduce the Standard weights for Plymouth Rock cock from nine and one-half to nine pounds and that of the hen from seven and one-half to seven pounds. An attempt to bring about the same changes was made at the A. P. A. Convention held at Atlantic City when the Standard Revision Committee's report was being considered, but it was defeated by a large margin. Apparently the only persons in favor of the changes were some of the Barred Plymouth Rock breeders. Both the White Rock breeders and the Buff Rock breeders at Atlantic City were as a unit in opposing the attempted changes.

The Barred Rock Club meeting at Indianapolis was attended by thirty breeders, including not more than half a dozen who could be classed as prominent and well known, so it can hardly be said that the action taken there represented the ideas of a majority of the eleven hundred (1100) members of the club. It is very doubtful if a majority of the Barred Rock breeders of the country are in

300 LICE Or More on One Hen

is by no means uncommon. No one would expect to fatten a steer with that number of "ticks" sucking his blood, but many expect the old hen to go ahead shelling out eggs while lice and mites are sapping her very life. We have counted over 2000 dead lice under a row of ten hens, on a roost board painted the night before with Lee's Lice Killer. This great killer does double duty—contact kills mites, lice, bedbugs, etc. about the roosts; the vapor kills lice on the chickens sitting over it. Put up only in airtight cans. For sale at over 10,000 towns.



Three sizes—35 cts., 60 cts., $1.00. Poultry Book free.

GEO. H. LEE CO. Omaha, Nebr.

YOUNG CHICKS



die of bowel trouble more than any other cause. It is estimated that of every 1000 chicks hatched each year less than 400 reach marketable size. Germozone users raise, usually, 90% of chicks hatched. Germozone keeps the bowels regular. It prevents diarrhoea from overdrinking of water; from eating musty or spoiled food, etc. It should be given in drinking water twice a week from the day they are hatched. It stops the loss. Every chick that dies cuts badly into the profit from the rest. Every chick saved will pay the cost of a bottle of Germozone.

One size only, 50 cents, at dealer's or postpaid.

GEO. H. LEE CO. Omaha, Nebr.

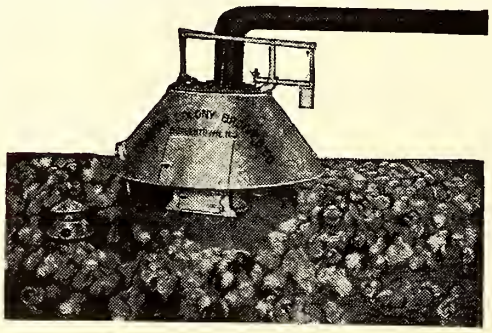
GERMOZONE'S Big Value



Is not so much in its great efficiency as a remedy for roup, canker, chicken pox and other diseases of poultry, but it is the greatest bowel regulator in the world for either poultry or stock (including pet stock), counteracting, especially, bowel troubles due to musty, spoiled or improper food. With man, fowls or animals, regular bowels means health. Continued irregularity means some sickness, difficult to cure if not fatal. Thousands give Germozone regularly twice a week to chickens, young and old, at the same time having it ever handy as a ready remedy for other diseases. Sold by dealers or postpaid. One size only, 50 cents.

GEO. H. LEE CO., OMAHA, NEBR.

SLEEP IN COMFORT!



Your chicks are doing so if they are being cared for by

The MacKay Colony Brooder

Heavy cast iron stove, with fire box large enough to hold coal for the entire night. Hopper feed which prevents coal from clogging, and causes the inside damper to seat true when the fire is checked. Real, workable drafts, top and bottom, operated in conjunction with damper by thermostat, which maintain correct temperature at all times, keep coal bills down to a minimum, and absolutely prevent the escape of gas into the house. Specially designed grate which has neither bolt nor screw to wear or rust, and which can be removed and replaced in a few seconds without otherwise disturbing the stove.

MACKAY COLONY BROODER CO., Box 34, BORDENTOWN, N. J.

Bonaparte Park Poultry Ranch.

favor of the action taken at that meeting.

At Atlantic City some of those speaking in favor of the change said that it would result in a type of fowl that would grow more rapidly, lay more rapidly, and produce more eggs. The widespread popularity and recognition of the Plymouth Rock as a utility breed for more than a third of a century is substantial evidence that those who made these statements could not be serious.

That the originators of Plymouth Rocks intended them to be a bird of medium size, there can be no doubt. However, owing to the large percentage of Asiatic blood in some of the early strains, this was soon exceeded by Rocks that equalled Asiatics in size. The original Standard of 1875 had not considered this point, but three years later weights were set ten and one-half pounds for cocks, nine for cockerels, eight and one-half for hens, seven for pullets. Five years later these weights were reduced one pound for males and one-half pound for females in each instance. In 1883 the weight for hens was reduced one-half pound more, to seven and one-half, at which point the weights have since remained, excepting when five years ago the weight for pullet was reduced from six and one-half to six pounds, on the ground that a Plymouth Rock pullet gained on an average of a pound and one-half from the time she was in prime show condition as a pullet until she reached maturity as a hen.

Plymouth Rocks hold many records in both public and private egg-laying contests that are ample evidence that it is unnecessary to reduce the weights to improve egg production. The record for continuous egg laying is held by a customer of J. W. Parks of Altoona, Pa., who had a pullet hatched from eggs purchased from Mr. Parks, that laid 148 eggs in 148 consecutive days.

The market growers with whom the Plymouth Rocks are decidedly popular are in favor of an even larger type than the Standard calls for. J. H. Curtis, the veteran grower and dealer in "South Shore roasters", breeds White Plymouth Rocks that are as big as Brahmas. He says that for making roasters and capons he "wants them big, the bigger the better". Other market growers in the South Shore district have the same preference. They want birds from two to four pounds heavier than the present Standard weights call for.



First prize Partridge Plymouth Rock pullet Chicago Coliseum, Dec., 1913, bred, owned and exhibited by Bird Bros., Myersdale, Pa. The Messrs. Bird won all prizes in the open class at this show excepting 3rd and 4th hen, 4th and 5th pullet.

Harry Lamon of the United States Department of Agriculture said during the Atlantic City Convention that if the weights for Plymouth Rocks were reduced, it would do unmeasured harm to the breed. Mr. Lamon has been in charge of Government Investigational poultry work in the south and southwest for several years. Previously he was well known as a breeder and exhibitor of Barred Rocks and accordingly is in a position to know whereof he speaks.

Plymouth Rocks were first exhibited at Worcester, Mass., in 1869 when the Barred variety was shown by D. A. Upham. Fifteen years later the White variety was introduced. Since then four other varieties of the breed have been originated and admitted to the Standard. During this period of 45 years, the Plymouth Rock has found favor with the poultry breeders of the country by whom it has often been called "America's Greatest Production." Will the breeders who wish to have Plymouth Rocks maintain this reputation favor the proposed change in weights?

—o—

W. H. Manning, Superintendent of the Poultry Department of the New York State Fair, has asked us to call attention to the change in dates for that exhibition. This year's fair will be held August 31-September 5th, instead of the week later as has been the custom for several years back. Mr. Manning is working hard on plans

山の内

IF you want in your yards such hens as we had in our display pen and also in competition at Madison Square Garden, New York, now is the time to order

Hatching Eggs from

YAMA BARRED PLYMOUTH ROCKS

The coming strain with hundreds of exceptional quality birds to choose from.

Send for our booklet and mating list and tell us your Barred Rock wants.

Quality hatching eggs, $10 for 15.

Utility eggs from related birds, $4 for 15.

YAMA FARMS
NAPANOCH N. Y.

Also the finest S. C. B. Minorcas in the country. See our Show records.

for the poultry show and is enthusiastic over the prospects as the following letter from him indicates:

"I do not think there is any question but that our poultry show this year will eclipse any fall poultry show ever held in this country. Syracuse is centrally located and very convenient to ship to. Our new poultry building was very favorably commented on by all breeders and judges that attended last season's show. The light and ventilation of this building are beyond criticism. Wide aisles and breeding pens cooped immediately following the open classes are factors which made this exhibit one of the best ever cooped.

"The following judges have been engaged for this year's exhibition: C. D. Cleveland, L. P. Graham, J. D. Jaquins, G. W. Tracey, N. V. Whitbeck, W. H. Card, J. H. Drevenstedt, Irving Rice, Newton Cosh, W. B. Atherton, F. B. Zimmer, J. H. Ward, Jr., A. O. Schilling, M. L. Chapman, Clarence King, D. L. Orr, W. J. Stanton, and E. B. Ulrich.

"Syracuse has always been liberal in regard to money specials, but this year it will offer a larger amount than ever. In many of the popular varieties a cash prize of $25.00, $10.00 and $5.00 will be offered for best display in addition to the regular money prizes of $5.00, $3.00 and $2.00 on pens and $3.00, $2.00 and $1.00 on single entries. The entry fees are reasonable, $1.00 for pens and 50 cents for single entries. A large number of valuable silver cups and gold specials will be offered by prominent breeders and persons who have become interested in the poultry industry. Some of the cups will be very elaborate and valued at $100.

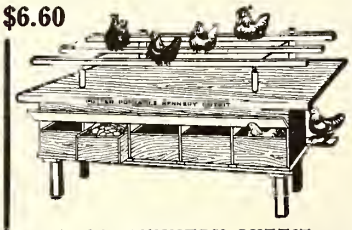
"A number of new features will be added this year including a club room that will be open for exhibitors as a place to rest and visit with their friends. An information bureau and bulletin board with an attendant will give any desired information as well as notice of meetings.

"A series of lectures is being arranged for. I will be glad to hear from anyone desiring further information and to forward a premium list to intending exhibitors if they will address me at Saratoga Springs, N. Y."

Through the courtesy of the publishers, Mr. and Mrs. Lewer, AMERICAN POULTRY WORLD is in receipt of a complimentary copy of the 1914 edition of the Feathered World Year Book. It is an imposing volume consisting of 830 pages of interesting information and data covering the progress of poultry and pigeon culture in Briton.

The review furnished by club judges and prominent breeders describing the remarkable specimens of different varieties that have been shown during the season, and intelligent criticism and suggestions showing the trend of fashion in shape and markings are one of the chief values of the volume. C. Theo. Van Gink, the well known poultry artist of Holland, who spent two seasons in America a few years ago, furnishes a number of illustrations showing European continental breeds, as well as a number of American prize winners. It is unfortunate that some of the latter illustrations do not show modern fashion and type of several varieties as they are bred in this country, for European poultry keepers are sure to obtain a false impression or idea of our ideals from some of the illustrations that Mr. Van Gink presents. An interesting chapter entitled "Poultry in the United States"

$6.60



A $6.60 HENNERY OUTFIT.

No. 19 style "A", 6-ft. 3 perch complete hennery outfit for 36 hens. This same style made in 12 sizes.

DON'T KILL or sell your laying hens. **Potterize** your flock. Pick out the layers from the loafers and diseased hens. Save food money. Over 50,000 satisfied poultry keepers have our Potter System Book, "Don't Kill The Laying Hen." You cannot afford to be without our 100 page book. Send for circulars.

DON'T BUILD you can buy better, cheaper, more complete, ready-made (factory made) hen houses, roosting and nesting features, coops, hoppers, etc., from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

PORTABLE, SANITARY, INEXPENSIVE

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards and nests. You save money too. A clean sanitary hen house means healthy hens and lots of eggs.

OUR BIG CATALOGUE contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalogue and circulars on the Potter System Book.

POTTER & CO., Box E-16, DOWNERS GROVE, ILL.

Ship Day Old Chicks in This Safe Box



We ship thousands of baby chicks each season from *Tywacana Farms* to all parts of the country in the strong but light and compact

Wright Box
THE RIGHT BOX

The most satisfactory box for shipping chicks. It has adjustable ventilating regulator which meets varying weather conditions more satisfactorily than any other device. Chicks do not trample, smother or get chilled. Made of double, reinforced corrugated cardboard—it is

Strong—Simple—Safe—Sanitary



The New Wright Egg Box is the strongest and lightest package for shipping hatching eggs or fresh table eggs. Easy to pack—each egg has absolute protection—cannot shake or jar. Both chick and egg boxes are shipped to you flat and are easily set up and packed for shipment to your customers.

Write today for Free Booklet describing The Wright Boxes for shipping chicks and eggs.



TYWACANA FARMS POULTRY CO.
A. E. Wright, Supt. Box 60, Farmingdale, Long Island, N.Y.

"PRINCE CHARMING"



"The Nearest Approach to an Ideal Leghorn Head"

SPECIAL PRIZE Indianapolis, February 2-7, 1914

SWEEPSTAKE CHAMPIONS

"THR FROST WHITE STRAIN" **S. C. WHITE LEGHORNS**

At the Great Indianapolis Show, February 2-7, 1914

We entered *25* Leghorns and *24* were Prize Winners

COCKS, - - 1st, 2nd	COCKERELS, 2nd, 3rd, 5th	OLD PEN, - - - 1st
HENS, - - 1st, 2nd	PULLETS, - - 1st, 2nd	YOUNG PEN, - 1st, 2nd

We won Chicago 1912, Chicago 1913, Indianapolis 1914

EGGS EGGS EGGS EGGS EGGS

Eight pens headed by our very best Chicago and Indianapolis winners per setting of 15, $5.00. Eight pens headed by other Chicago and Indianapolis prize winners, per setting of 15, $3.50. Eggs from our utility pens a matter of correspondence.

FREE: Our 1914 mating list with splendid pictures of our prize winners.

WRITE TODAY

THE WILLOWS FARM, Lock Box, 448, SOUTH BEND, IND.

FRANK E. HERING, Proprietor. HARMON BRADSHAW, Manager.

has been contributed by Frank L. Platt, Associate Editor of Reliable Poultry Journal.

While the Year Book covering subjects as it does, from the standpoint of the English poultry keeper, will be more valuable to them, it will nevertheless be found interesting to American poultrymen as it will place before them the ideals and fashions that are being followed by our English cousins. Copies can be obtained through A. P. W. for 60 cents. With one year's subscription to A. P. W. for 85 cents.

F. W. C. Almy, Proprietor of Red Feather Farm, Tiverton Four Corners, R. I., calls attention to the fact that the Boston Show catalogue failed to give him credit for 3rd prize R. C. Rhode Island Red hen. This splendid specimen was winner of 1st, also Gold

ROSE'S ORPINGTONS

BUFFS and BLACKS

The Most Wonderful Record of the Year—Backed by Stamina and Blood Lines That Will PRODUCE.



1st Prize Pen at Madison Square Garden. The finest Buff Orpington Pen ever shown.

"LIKE BEGETS LIKE"

My Buffs have the correct color, the color that you must have to win. If your birds lack type, color, bone, introduce my stock. Neither in England, the home of the Orpington, nor in America, can you obtain such quality and value in Buffs or Black Orpingtons as I offer you. Rose's Orpingtons, Buffs and Blacks are bred to win in the strongest competition.

During the 1913-14 show season, at America's two leading shows, ***Madison Square Garden*** and ***Chicago Coliseum***—in the best classes of the breed and in competition with nearly every prominent breeder, ***my Buff Orpingtons won more first prizes than all my competitors combined.*** Consider the following winnings and decide for yourself who has ***the best Buff Orpingtons.***

MADISON SQUARE GARDEN

Dec. 26-31, 1913

1st Pen, 5 Cock, 3 Hen, 1-5 Cockerel, 1-4 Pullet.

CHICAGO COLISEUM,

Dec. 12-17, 1913

1-2-5 Cock, 3 Hen, 1-5 Cockerel, 1-2 Pullet, 3 Pen. This remarkable record including 6 of 11 first prizes awarded, establishes beyond all doubt the superiority of ***Rose's Orpingtons.***

A BLACK ORPINGTON RECORD THAT STANDS FOR SOMETHING.--THAT MEANS SOMETHING TO YOU.

During the past three years my Black Orpingtons have won the Championship at Madison Square Garden, Boston, Baltimore, Pittsburgh, Toronto, Hagerstown, Allentown and New York State Fair. This is the most remarkable record established by any breeder of any variety. In this series of triumphs ten different judges have placed the seal of approval by awarding them highest honors.

During 1913 Rose's Black Orpintons won 27 firsts of a possible 33 firsts at six shows of National Reputation viz;—Boston, Allentown, Hagerstown, New York State Fair, Toronto and Chicago. Five times out of six at these shows, they won the Championship for Best Display.

1913-14 BLACK ORPINGTON CLUB SHOW PITTSBURGH, JAN. 1914

They won as follows—1-2-4-7-8 Cocks; 1-3-4-8 Cockerels; 1-2-4-6 Hens; 1-3-4-5-8 Pullets; 2 Old Pen; 1st Young Pen.

BRED IN THE RIGOROUS CANADIAN CLIMATE

They are hardy, rapid growers and splendid winter layers, characteristics you need to make your Orpingtons suit you to a "T". I can furnish a number of high class breeding males also pairs, trios and breeding pens that will be carefully mated to produce the best results at "live and let live" prices. Send your wants and let me furnish description and quote prices.

Send for handsome new Catalog and Mating List containing illustrations of my prize winners, including full page color plate of my first prize cockerel at Madison Square Garden, in natural colors. It is free for the asking.

MY EGGS ARE THE BEST MONEY CAN BUY

I wish every reader of this Journal could visit my farm and inspect my matings for 1914. Prominent breeders and judges who have seen them declare them unequalled. Every pen is headed by a prize winner or a near relation. If you desire eggs that will produce winners at next seasons shows you cannot afford to overlook this opportunity. Better values do not exist anywhere.

HUGH A. ROSE,

FONTHILL, ONTARIO, CANADA

Specials for shape and color at the Providence Show. Mr. Almy considers her one of the best hens of the variety in the country and values her at $200.00. At Boston we handled Mr. Almy's second prize R. C. Red Pen. The blizzard that swept the eastern part of the country just previous to the Boston Show caused several of the birds to take cold on the way and they were not in first class condition when the awards were placed, otherwise Judge Card is reported to have said that they would have been first. Mr. Almy calls the male at the head of the pen "King Scarlet." He had wonderful rich brilliant even surface color, also sound undercolor. "King Scarlet" is at the head of pen No. 5 from which Mr. Almy will sell a few eggs at $50.00 per 15. The great first prize R. C. Red Boston cock has been named "Great Sensation." This bird has great size and length of body, also splendid color and shape. Mr. Almy's 16 page mating list can be had on request by mentioning A. P. W.

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An error in the official catalogue of the Boston Show was the cause of mistake in the listing of Dictograph Poultry Farm winnings on White Faverolles. The list should have read: 1st cock; 1st cockerel; 1st hen; and 1st pullet, a 100 per cent. win on four entries.

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An Illinois subscriber, Stephen A. Butler of Belleville, Ill., sends $5.00 and writes, "The following is a list of ten persons that want to subscribe for AMERICAN POULTRY WORLD. I am sending these subscriptions in the interest of pure bred poultry."

It is very encouraging to have the support and co-operation of our readers in the substantial manner shown by Mr. Butler. If others who were in a position would do the same thing, A. P. W. subscription list would grow by "leaps and bounds." Dear Reader, will you too send us at least one new subscriber during the next thirty days?

—o—

Mr. Schilling's splendid article on Buttercups in this number will be of interest not only to breeders of Buttercups, but to poultrymen in general. It is claimed that Buttercups are not a new breed. However that may be, it is certain that until the present time not sufficient interest has been taken in them to decide what their breed characteristics other than the shape of comb should be. With the proposal to admit them to the Standard of Perfection, it was necessary to decide on an ideal type and color, and Mr. Schilling has done a valuable work for breeders in working out the prescribed Standards that appears in this issue.

Next month Mr. Schilling will undertake an article along similar lines on Campines. At the present time there is some difference of opinion over Campine type, and considerable more over a number of points in regard to color markings. AMERICAN POULTRY WORLD believes that the quickest and best way to establish what the majority of breeders favor, and what is best for the welfare of the breed is through open discussion on the points over which there is any controversy. Those on Campines will be illustrated and described in April A. P. W.

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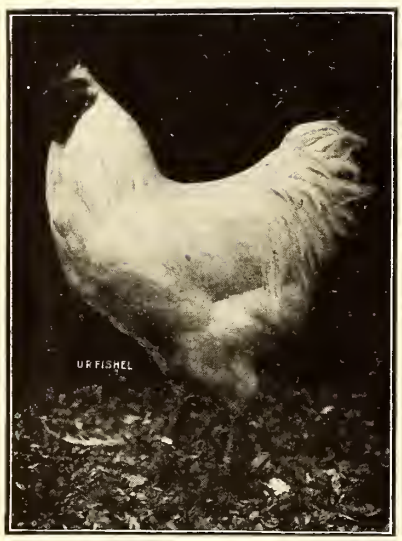
Rhode Island Red breeders should send to Aaron Fell, Perrysburg, Pa., for a copy of the semi-annual bulletin of the Red Breeders' Club of the World. The progress that members have made in establishing this organization is surprising. It shows a live and active membership and interest in club work. According to the bulletin just received, the club now has over 700 members. Practically every state and territory is represented as well as Canada, also England and Scotland. The officers of the club are as follows: W. C. Pierce of Indianapolis, Ind., President; Reese V. Hicks, Topeka, Kansas, First Vice President; M. F. Delano, Vineyard Haven, Mass., Second Vice President; Aaron Fell, Perrysburg, Pa., Secretary-Treasurer. Information about the club will be furnished on request to the Secretary.

—o—

*** * * Do not delay—Send today for a copy of our Clubbing Catalogue, it saves you money on your magazines * * ***

EGGS THAT HATCH

Is what we are in a position to furnish our customers. Our breeding yards this season are by far the best we have ever mated, unlimited range is what has made



FIRST PRIZE COCKEREL, HAGERSTOWN

U. R. FISHEL'S WHITE PLYMOUTH ROCKS

"BEAUTIFUL AND PROFITABLE"

and what has made it possible for us to give our customers that vigor, vitality and blood lines no other White Plymouth Rock breeder can give you. We have devoted twenty years to the production of

BREEDERS THAT PRODUCE

and never were we in as good position to give you good value for your money as we are at this time, Start right by buying White Plymouth Rocks that are bred right. Utility Fowls (in any number) that will give you better results than any fowl.

OUR WINNINGS AT 23 LARGEST SHOWS

and five International Expositions together with our recent great winnings at Cincinnati, Ohio, December 1913 is proof positive we are headquarters for ***White Plymouth Rocks.*** Send 25 cents for 64 page catalogue.

Eggs $10 per 15. Sale Stock Eggs $10 per 100. Baby Chicks from Sale Stock Eggs $8 per 25; $15 per 50; $25 per 100.

U. R. FISHEL, Box B, HOPE, IND.

POULTRY WORLD AFFAIRS

The Imperial Russian Poultry Society has conferred its honorary membership upon Dr. Raymond Pearl of Maine, and Edward Brown, F. L. S. of England.

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The management of the Chicago Coliseum show, in making preliminary arrangements for their sixth annual show, announces the dates as Dec. 11-16, 1914.

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The recent blizzard done damage amounting to two thousand dollars to the Aviary at the farm of Wm. Cook & Sons, Scotch Plains, N. J. Many rare land and water fowl were liberated.

—o—

The Elk County Poultry Association of Ridgeway, Pa., will hold their next annual show November 17th to 20th, 1914. Chas. McClave will place the awards. C. O. Romick is secretary.

—o—

A three story poultry building to be devoted to instruction in poultry husbandry is now under construction at the Connecticut Agricultural College, Storrs, Conn. An appropriation of $25,000 for the purpose was passed by the Connecticut State Legislature in 1911.

—o—

The Feathered World (England) Year Book for 1914 is ready for mailing. It contains 830 pages and is profusely illustrated containing many American as well as recent English winners.

—o—

Here is a good one from Pennsylvania. It is said that J. H. Londin, superintendent of the Eleanor Coal Mine, hung a basket of eggs over a bubbling hot spring in the mines and succeeded in hatching twenty-one chicks from 23 eggs. Can you beat it?

—o—

From the Consular report on the poultry industry in Russia, as compiled by John H. Groat, Consul at Odessa, Russia, the following data is taken: —Geese sold from 62c to $1.55 each; hens from 20c to 77 each; ducks from 25c to 77c each; turkeys from 77c to $2.06 each; eggs were sold at prices ranging from $9.27 per 1000 to $10.71 per 1000. The Consul remarks that while these were market prices, well fattened birds brought much higher figures.

—o—

E. E. Richards, editor of Western Poultry Journal, was recently chosen president of the Linn Country (Iowa) Farm Improvement Association. Special meetings were conducted at various points of the county during the week of March 10th.

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The New York State Fair will open this year on August 31st and continue six days. Supt. Manning of the poultry department is now making preliminary arrangements for one of the largest poultry exhibits ever held in the Empire State.

—o—

Irving W. Bean, treasurer of the United Breeders, Inc., South Braintree, Mass., has taken up his residence at the plant and in the future will be in personal charge of the business. F. D. Read has severed his connection with the company.

—o—

Harlo J. Fiske for several years manager of Skylands Farm, Sterlington, N. Y., and who has acquired an enviable reputation as a producer of choice S. C. White Leghorns, has moved to West Springfield, Mass., where he has purchased a farm well adapted to poultry raising. He has

Young's Strain S. C. White Leghorns



I HAVE NO OTHER BREEDS

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls.

At the World's famous and Premier Show of America at **MADISON SQUARE GARDEN, NEW YORK,** for the past 13 consecutive years I have won best display and from three to five first prizes. Every bird being bred and raised by me.

Winnings at **MADISON SQUARE GARDEN,** winter of 1913, were as follows:

A STUPENDOUS VICTORY

COCKS—First, Second and Fourth; HENS—Second, Third and Fourth; COCKERELS—First, Third, Fourth and Fifth; PULLETS—Fifth; PENS—First.

Grove's trophy, value $500.00. Elmhurst Sterling Silver Cup, value $150.00. N. Y. State Cup, value $50.00. N. S. C. W. Leghorn Club Medal for best cock, best cockerel, best pen and best display.

The Association $10.00 Gold Special for best display and Grand A. P. A. Medal, value $50.00, for best bird in the whole show, all varieties competing. This bird is the most superb specimen that has ever been produced of any variety. This achievement was made possible from a thorough knowledge and scientific practice of line breeding for over 35 years, and from a strain hat has been bred by our family since 1855, making it the oldest strain of Leghorns in all the world. The male line never having been broken by adding new blood.

The **Young Strain Characteristics** follow through all my yards and my matings should be superior.

Watch the Show Reports throughout the United States and Canada and you will find that Young's strain predominates and wins the coveted prizes and lays the greatest number of eggs.

Hundreds of the Grandest Cockerels Ever Bred For Sale. Remember You Cannot Win Without My Strain.

Mating List FREE. Address

D. W. YOUNG, MONROE, N. Y.

retained the beautiful flock of Leghorns established during his stay at Skylands Farm.

—o—

At the annual meeting of the Partridge Plymouth Rock Club of America held at New York during the recent Madison Square Garden show, the following officers were elected: President W. C. Bird, Meyersdale, Pa.; vice-president, W. S. Presgrave, Salisbury, Md.; secretary-treasurer, Paul Klingbeil, Walpole, Mass.

—o—

Poultrymen in the vicinity of San Francisco, have appointed J. D. Graham, as the representative of the Local Federation at San Francisco. Mr. Graham's duties will consist of organized efforts to have the Chinese eggs debarred from California markets.

—o—

During the first three months that the new tariff law was effective there were 1,700,000 dozens of eggs imported into the United States as compared with 1,370,000 dozen received during the entire preceding year. Exports in 1913 amounted to 17,650,000 as against 19,000,000 in 1912.

—o—

Despatches in the daily papers would lead us to believe that the much heralded Chinese egg was being offered for sale in nearly every city from San Francisco to New York. Are the storage interests trying to influence prices with this Chinese bugaboo?

—o—

The annual meeting of the American Barred Plymouth Rock Club was held on February 5, 1914, in connection with the Indianapolis show. C. E. Spaugh of Indiana, was elected president, and H. D. Riley, Philadelphia, Pa., was re-elected secretary-treasurer. The secretary's report indicated that the club was in a flourishing condition, 506 new members having been added during the past year. It was voted to recommend the reduction of the standard weights of Barred Plymouth Rocks as follows: Cock from 9½ lbs. to 9 lbs.; hen from 7½ to 7 lbs.

—o—

Herman L. Spahr, American Consul at Breslau, Germany, in a recent report, states that according to the census of 1912, there were 82,474,317 fowls in the German Empire. At 42 Provincal Stations where poultry breeding was practiced, nine were supplied with Pekin Ducks, seven with Emden Geese, nine with White Wyandottes, twelve with Plymouth Rocks, three with Yellow (Buff) Orpingtons and two with White Orpingtons. In Silesia the only varieties that are elegible to compete for premiums at shows are Buff Italians, Black Minorcas, White Wyandottes, Barred



C. S. Byers, Hazlerigg, Ind., has devoted fifteen years to the breeding and improvement of the Orpingtons, and his flocks of the Buff, Black and White varieties are among the best in the country. Mr. Byers is now booking orders for eggs, and has adopted a new policy whereby he guarantees eight chicks from every setting from his yards. If a less number is secured he will duplicate the order free of charge. For further particulars write today for his large illustrated catalogue. It is free if A.P.W. is mentioned.

The Best Oat Sprouter on the Market
$6 All Metal. No Lamps.
B. Monroe Posten, Analomink, Pa.

NORRIS S. C. BROWN LEGHORNS
Birds of Quality. First prize winners at Rochester, N. Y., Allentown, Easton and Lebanon, Pa., and Morristown, N.J. Stock for sale. Now booking egg orders. Chas. J. Norris, Sub Station, Phillipsburg, N. J.

AMERICAN REDS
and
WHITE HOUDANS
Get a start and be among the pioneers with these great birds. Write for circular to
L. D. Baerman, Box W, Dunellen, N. J.

Liberal Religious Literature
Will be sent to anyone who is interested
FREE OF COST
Send name and address on postcard to
MISS ANNA SMITH
122 PARK STREET, BUFFALO, N. Y

MAPLEGLEN FARMS S. C. REDS
(Tompkins and Scranton Strain)
The World's Best. Our Matings are the Strongest in Our History. Eggs $1.00 per 15, $5.00 per 100.
J. S. Bergh, Jackson Corners, N. Y.

BARGAIN PRICES
FERRIS LEGHORNS EGGS AND CHICKS



Prompt shipment in setting or thousend lots. May prices, Eggs $1.75 setting, $8.00 hundred. Chicks $20 per hundred. Ferris Leghorns are trapnested. Great layers and winners at largest shows. Exhibition and breeding stock greatly reduced. Everything guaranteed. Write for free catalogue fully describing stock, eggs, chicks. Letters from hundreds of customers, complete list of winnings proving that Ferris Leghorns are best for eggs and exhibition. Write today.
GEORGE B. FERRIS,
Ferris Leghorn Farm, 908 Union, Grand Rapids, Mich.

Parkway Poultry and Stock Farm
BREEDERS OF
White Rocks — S. C. BROWN LEGHORNS, S. C. BUFF LEGHORNS, S. C. WHITE LEGHORNS — Black Orpingtons
1000—BIRDS FOR SALE—1000
Hanlon's Orpingtons and Leghorns have produced winners for the past fifteen years.
BABY CHICKS $25 per 100
EGGS FOR HATCHING $3, $5 and $7 per 15
Parkway Poultry and Stock Farm,
PHILLIP E. HANLON, Manager,
Box W, WATERTOWN, N. Y.

Plymouth Rocks, Orpingtons, Pekin and Rouen Ducks, White Native Geese, Emden and Pomeranian Geese, Bronze and Snow Turkeys.

—o—

A West Virginian is serving term of one year in the state penetentiary at Huntington, for the theft of three eggs.

—o—

The health authorities of the City of Philadelphia recently condemned upwards of 44,000 pounds of dressed poultry which they alleged had been held in storage for six or seven years. It was declared unfit for food and was confiscated.

—o—

Volume nine of the Buff Rock quarterly is now being mailed. It contains 68 pages and cover, and should be in the hands of every breeder of Buff Plymouth Rocks. Pres. Elliott of the club asks for the assistance of the members in providing a fund for the publication of the club ideals in colors.

—o—

A bill is to be introduced into the Illinois State Legislature carring an appropriation of $10,000 for the use of poultry associations. According to the provisions of the bill any duly organized poultry association, may upon application receive financial aid not in excess of 80 per cent. of the total entrance fees.

—o—

During the fiscal year, 1913, the United States exported over 21,000,000 dozen of eggs representing 20,409,390 dozen of whole eggs, valued at $4,391,653, and $67,854 worth of canned eggs and yolks. We also imported during the fiscal year 1913, 1,271,765 dozen eggs; 227,457 pounds of yolks; 20,284 pounds dried eggs.

—o—

Saturday, March 9th, was designated as Missouri Hen Day in the "Show me state". The Missouri State Poultry Association set the date for the organization of a county branch in each county of the state. The purpose of the organization is to create a friendly rivalry in poultry production between the different counties.

—o—

The St. Louis Post Despatch, (St. Louis, Mo.), has offered to install a permanent exhibit of 100 varieties of poultry at the City's Zoo. Each variety will be represented by six females and one male and will occupy a pen 20x75 feet with a model poultry house in the center. A tract of land with a frontage of 2100 feet has been allotted by the Zoo officials.

—o—

An ordinance recently introduced in the council of an Ohio town, provides that each resident raise at least one hog a year, to aid in the reduction of the cost of living. Why not make poultry keepers of them?

—o—

Lady Cornell, a White Leghorn hen, owned by the New York State College of Agriculture at Ithaca, N. Y., died March 19th, at the age of five years. Records credit her with having produced 771 eggs during her term of life. Of this number 257 were laid in one year. "Madam Cornell", a sister hen, died recently leaving a record of 624 eggs. Her best performance was 245 in one year.

—o—

CHAMPION BLACK MINORCAS

The 1914 catalogue and mating list issued by the Hilldorfer Black Minorca Farm, Saxonburg, Pa., is illustrated with many photographic reproductions of Mr. Hilldorfer's winners and also contains a vast amount of information that will prove of value to all Minorca breeders. The matings for the season are described and as a majority of these contain one or more prize winners, eggs from these pens should produce many winners. The list is free. Better send for a copy today.

PRUYN'S SILVER WYANDOTTES

The mating list of Pruyn's Silver Wyandottes for the season of 1914 can be had upon request to John W. Pruyn, Yonkers, N. Y. This list gives a complete description of Mr. Pruyn's several matings for the coming season and also gives complete show record during the season just closed; this includes four regular prizes at Madison Square Garden and also three regular prizes and special for best Silver Wyandotte male at the Grand Central Palace. Readers interested in Silver Wyandottes may secure a copy of this mating list by mentioning A. P. W. and addressing as above.

—o—

"JUST OUT"

J. C. Fishel & Son, Hope, Ind., well known breeders of White Wyandottes, have issued a nice little folder entitled "Just Out", which contains what they call their "banner offer", that is you may obtain fifteen eggs from the matings containing the season's winners, the same matings from which they hatch themselves for $10.00, or you may obtain 100 eggs from utility matings for $10.00. These offers are explained in detail and the folder contains a coupon order blank which may be detached and used when sending in your order. A brief description of the breeding pens will also be found.

BLACK SPANISH

All First Prizes at recent Chicago and Boston Shows.
Some wonderful trios at $30.00.
Single birds $15.00 each. Eggs $5.00 per thirteen. Each additional Thirteen $4.00.
R. A. ROWAN, 200 Title Insurance Building, LOS ANGELES, CALIF

MERIHEW'S BUFF LEGHORNS

The 20th Century Egg Producers. Make another great win at Madison Sqnare Garden. Dec, 1913. Utility Breeders, Show Birds and Eggs for sale. Write for mating list then be your own judge who has the best.
L. E. MERIHEW, MARATHON, N. Y.

TAYLOR'S BLUE ANDALUSIANS

Won more ribbons and twice as many Specials as all competitors at the Chicago Coliseum Show, 1913, winning 1-3 Cock, 1-3 Hen, 2 Cockerel, 1-2 Pullet and 2 Pen. Breeding Stock for sale. Eggs from choice matings.
BLACK AND WHITE ROSE COMB BANTAMS. Circular.
L. C. TAYLOR & SON, Box W, GIBSONBURG, OHIO

Little's Rose Comb Rhode Island Reds

Descended from a son of Sensation that I still own. They have all the great Sensation color but I have vastly improved them in type. My catalogue sent on request, gives history and our great Boston win. Birds bred by me or from eggs shipped from my yards won first prize Blue Ribbon the past fall and winter at New York State Fair, Scranton, Pa., Albany, N. Y., Vermont State Fair, Brockton, Mass. Big Fair, Illinois State Show and Cleveland, Ohio.
Does this mean anything to you? If so—Address
GEO. W. LITTLE, 700 Washington Street, SOUTH BRAINTREE, MASS.



1913 PALACE CHAMPION BARRED ROCKS

The "best of all" prizes, *BEST DISPLAY* was awarded to *CANAVAN'S BARRED ROCKS* in the best class of this variety ever exhibited at the *New York City Palace Show.* My 1st prize cock was pronounced by experts to be a *"star"* specimen. He won the Club Special for best shaped male. A full list of my winnings will be furnished free to those who ask for it. I have a small surplus of choice stock, both exhibition and breeding birds, that have the correct blood-lines back of them to dispose of. They will go at low prices to quick buyers. *EGGS $5.00 PER SETTING.*
P. CANAVAN, - PHILMONT, N. Y.

SILVER CAMPINES

Winners at the Greater Buffalo Show, 1913, Allentown, Pa., Fair Show, winning futurity stake and Philadelphia winning in strongest class shown 2nd cockerel. Booking orders from champion matings, $10.00, Special matings $5.00.
W. C. D. FRANTZ, Box W, NEFF'S, PA.

CHINESE EGGS

A Few Extracts From Consular Reports Made in 1913

As the importation of Chinese eggs into the United States is meeting with much opposition in some sections and in view of the agitation that has already developed the following extracts from Consular reports will undoubtedly prove interesting to many of our readers. The following paragraphs are taken from the report of George E. Anderson, Consul at Hongkong.

"The egg supply of Hongkong comes almost solely from the Pearl River delta, the product being gathered in material quantities by Canton and Macao shippers, and, as a rule, shipped in bulk in native baskets about the size of an American bushel measure. The eggs are generally imperfectly graded and are rehandled in Hongkong. Prices of ordinary lots early in March ranged from $6.24 to $6.72 gold per thousand, fluctuating between comparatively narrow margins from day to day. During 1912 the highest price in the Hongkong market, wholesale, was $6.68 gold per thousand. Duck eggs in large quantities are to be had from the same sources at prices which generally run about 5 per cent. lower than chicken eggs.

"The obstacles to shipment of eggs to the United States are not insurmountable, but may be serious. In the first place the present exchange value of silver is high. Secondly, it is possible that any material demand abroad for eggs in this market would immediately increase the price, although in time it is likely that the supply would be increased to meet the new demand. Arrangements would have to be made to transport the eggs in modern cases shipped to this market for the purpose, for modern means and methods of handling eggs are unknown here."

At the time of making report (March, 1913) no eggs had been exported from Canton, China. T. D. Cheshire, Consul General at that point, states:

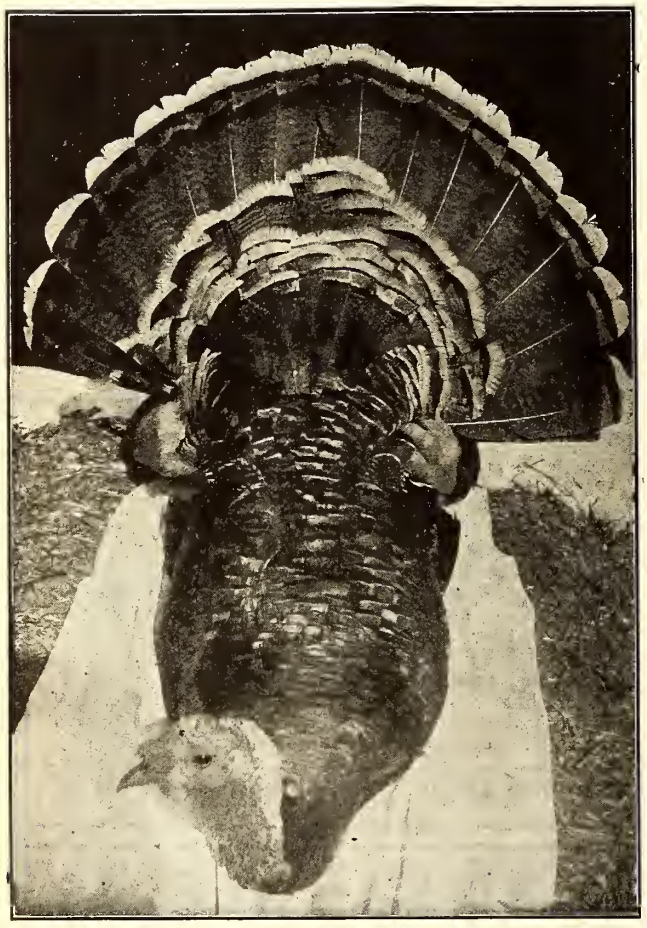
"Wholesale dealers in Canton quote the following prices for eggs, per basket of 100: Chicken—large, 97c. gold; medium, 90c.; small, 76c. Duck—large, $1.04; medium, 90c.; small, 76c. There is no exportation of eggs from Canton to the United States. There have been shipments to the Philippine Islands, but most of the business is done by the dealers with places adjacent to Canton."

No report of export eggs is made by Consul General Roger S. Green, Hankow, China, who states:

"Hens' eggs are quoted in Hankow wholesale by the picul of 133 1-3 pounds avoirdupois. It is difficult to state an average price, but it would appear to be between 8 and 8.50 taels during the spring. Some dealers can probably buy more cheaply by dealing direct with the country people. The Hankow tael being silver, fluctuates greatly as compared with United States currency. At present 1 tael is equal to about 68 cents United States gold."

In northern China where current reports advise the better eggs are produced, a large production is reported by Consul S. Knabenshue at Tientsin. The following is a portion of his report:

"The production of chicken eggs is very large in North China, but duck eggs are far less common. At present (March) chicken eggs are selling 130 for $1 Mexican. This works out about 4.63 cents, American currency, per dozen,



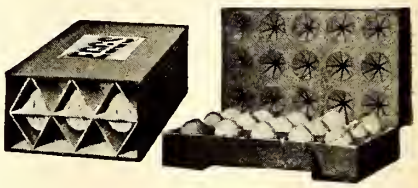
A prize winning Bronze Turkey tom bred and owned by Bird Bros., Meyersdale, Pa. The Messrs. Bird Bros. advise that the illustration was made from an unretouched photograph and call particular attention to the excellent bronze penciling and snow white edging of the feathers. Complete record of their winnings is contained in their 1914 catalogue that will be sent free to readers of A. P. W.

Bast's Houdans—America's Best
Highest Awards--Boston 1914, Madison Square Garden. Best Display--Philadelphia, Hagerstown, Allentown. Write your wants, prices reasonable. Eggs a specialty.
W. F. BAST, PHILLIPSBURG, N. J.

HILL HATCHERY "HEALTHY HATCHED CHICKS"
Chicks
S. C. White Leghorns . 12½c
S. C. Black Minorcas . 15c
Barred Plymouth Rocks 15c
Rhode Island Reds . . 20c
White Wyandottes . . . 20c
White Orpingtons . . . 25c
HATCHING EGGS
Fourteen Year's Experience; Correspondence Solicited.
LOUIS V. HILL, 296 North Seventh St., NEWARK, N. J.

EVERY STABLE FLOOR
and every floor in your barn, garage, hen houses or pens will last twice as long if painted with Avenarius Carbolineum. It prevents rotting and the gnawing of rats, mice and insects. Health conditions will be improved, for as a powerful disinfectant it kills disease germs and mitigates bad odors. Likewise eradicates every trace of lice and mites. A splendid stain for shingles on bungalow or cottage and one of great durability. Used also against tree insects. Easily applied by anyone—always keep a supply on hand—sells at $1.00 in single gallons, 80c by the barrel. Bulletin 33 gives full information. Write now.
Carbolineum Wood Preserving Co.
190 Franklin St., NEW YORK

Buy Diamond Egg Carriers



It is a fact and not a boast that eggs get the maximum protection in the Diamond Egg Carriers. Order today. Sample 25c. 15 egg size, doz. $1.50, $11.00 per hundred. Parcel post boxes all sizes, 1 to 12 dozen. Poultry Supplies.
DIAMOND BOX MANUFACTURING CO.
Room 362, 219 North 2nd Street, MINNEAPOLIS, MINN

FRENCH'S POULTRY MUSTARD
The Original Poultry Mustard
Don't accept counterfeits. Write for booklet to
The R. T. French Company,
Dept. B, Rochester, N. Y.

f. o. b. Tientsin. If there were a very large foreign demand for chicken eggs, the price would alter somewhat because of the scarcity, but once let the country people find that there is a steady call for eggs in Tientsin and the supply would soon be increased.

Duck eggs are selling in this market at present 40 eggs for $1 Mexican, or about 15 cents United States gold per dozen.

GRAND MATINGS AT BUSCHMANN-PIERCE RED FARMS

In a recent letter from the Buschmann-Pierce Red Farms, Carmel, Ind., they state emphatically that their matings of Rhode Island Reds, both Single and Rose Combs, for the season of 1914 are the best that they have ever put together and they further state that they are the best that they have ever seen. We are also in receipt of their 1914 mating list describing their breeding pens for the coming season, which comprises thirty-six matings of Rose Combs and seventeen matings of Single Combs. These pens are headed by many well known winners and the prices of eggs range from $5.00 to $20.00 per setting of 15 eggs from the exhibition matings and from $3.00 for 15 to $15.00 per 100 from the utility pens. The Buschmann & Pierce Red Farms were the first to use the term "non-fading Reds" and they have shown at leading exhibitions many hens that were pronounced by prominent judges to be as brilliant in plumage as any pullet before she passed through the season of heavy laying.

Last season they sent out a very unusual guarantee with all eggs for hatching, and they report that it was productive of such satisfactory results that they have decided to continue it through the season of 1914. In fact they are going to go it one better and have added the following, "Every one buying eggs from us that do not feel that they have gotten their money's worth, next November, can coop up all of the birds hatched from our eggs and return them to us and we will give them their money's worth or what they consider their money's worth in stock". This is a very broad guarantee and shows that they have the fullest confidence in their matings for this season, that is, they believe that they can give any customer his money's worth in proportion to what he pays for the eggs.

To fully appreciate the quality of their 1914 matings, all readers of this magazine interested in Rhode Island Reds should write today for copy of the mating list as this will be sent free to all who mention A. P. W., and address Buschmann & Pierce Red Farms, Box 865, Carmel, Ind.

SPRINGSIDE FARM

Springside Farm is located at New Hamburgh, Duchess Co., N. Y., and is owned by and under the management of Miss Ella Borland. This farm consists of 36 acres and is located about 65 miles from New York City. At the time Miss Borland purchased this property, it was a barren tract without buildings or fences, excepting the boundary fences. The land was of little value as it had not been under cultivation for a great many years and was badly overgrown with weeds and undergrowth.

Miss Borland's object in buying this land was to prove that a woman can make a farm pay, and having a slight knowledge of pigeons and their care, she first took up squab raising, later on poultry raising, which she gradually expanded until now she has large flocks of White Wyandottes, Bronze Turkeys, Ducks and Geese, and she has succeeded to such an extent that an office was recently opened at 105 W 40th St., New York City, through which the produce of the farm is marketed direct to customers. This branch of the business is increasing very rapidly and it has been found necessary to purchase large quantities of strictly fresh eggs from surrounding farms to supply the demands of her customers.

Miss Borland has demand for a greater number of eggs than she is able to supply and will be pleased to hear from those having strictly fresh eggs for disposal. Those wishing to take out yearly contracts may do so and for them a yearly flat rate will be made Those giving monthly orders will get a monthly rate according to the fluctuations of the market. For further particulars address Springside Farm, 105 W 40th St., New York City.

CORNISH CATALOG

Lovers of Cornish fowl will undoubtedly be interested in the 1914 catalog issued by Dartmoor Yards, C. S. Brent, Prop., Oconomowoc, Wisc. This catalog is now ready for mailing and will be sent free to all who mention this paper.

BUFF AND WHITE FAVEROLLES

In a communication of recent date, Aug. D. Arnold, Dillsburg, Pa., one of the pioneer breeders of Faverolles in America, states: That in his thirty years' experience as a breeder of poultry he has found no variety that possesses the all around good qualities of the White and Buff Faverolles, and adds that during the extremely cold weather in February, they continued to lay regularly and he believes that the protection afforded the birds by the beard and muff has something to do with their winter laying. He is also loud in his praises of their table qualities and in this respect claims they are unequalled, the flesh being soft and juicy and of exceptionally fine flavor.

Mr. Arnold has ten matings of these birds this season and is now booking orders for hatching eggs. For further particulars see his ad on page 4.

ANCONAS

My birds are trapnested and are producers and winners. Catalog showing eleven winners from Madison Square and Philadelphia for 2c postage.
A. E. WOHLERT, R. 4, NARBERTH, PA.

DEMING'S
S. C. R. I. REDS

Win at Madison Square Garden, December, 1913, First Pullet and Color Special, Sixth Pen. Breeders for sale. Eggs for hatching. Free circular.

H. P. Deming, Robertsville, Conn.

MAMMOTH BRONZE TURKEYS

My Turkeys made a record at the Greater Buffalo and Flower City, Rochester, Show—Buffalo, 1-2 cockerel, 1-2 pullet, 2-3 hen, 2-3 cock. Rochester, 1-3 cock, 1-3-4-5 hen, 1-2-4 cockerel, 1-2-4 pullet. Grand young stock now ready for delivery at moderate prices. Put quality in your flock by securing a Barlow Tom. Also high class Columbian Wyandottes and S. C. Buff Leghorns. Write your wants to

A. G. BARLOW,
COUNTY LINE POULTRY FARM, Box W, MEDINA, N. Y

BUFF ROCKS

VIERHELLER'S SUNBURST STRAIN

at the two last meetings of the American Buff Rock Club our Sunburst Strain have won the Club Championship Cup for best cock. hen, cockerel and pullet.
AT CLEVELAND, DECEMBER 3-7, 1913
at 1913-14 Club Meeting we won more firsts than all compeittors combined. 1st pen, 1st cockerel, 1st pullet, also special for best display and other awards. *EGGS* for hatching from the finest matings ever put together $3.00 per setting and up. Send for mating list.

VIERHELLER BROS., 71 Sylvania Ave., PITTSBURGH, PA.

PRATT'S BOSTON WINNERS

WHITE ROCKS WHITE WYANDOTTES

If you want style, type, size or color in White Rocks or White Wyandottes, I can furnish it. My birds have been winners at Madison Square Garden, Boston and the Great Brockton Fair. At Boston, 1913, 1st and 3rd cockerel. Boston, 1914, 2nd and 6th cockerel, 4th pullet. Have some large, vigorous cockerels for sale, that will help you if you are looking for improved type, early maturity and laying qualities. Eggs from the finest matings $5.00 per setting. I guarantee satisfaction or no sale. Send for mating list.

C. W. PRATT, NORTH ABINGTON, MASS.



Breed Barred Plymouth Rocks If You Want Something Permanent
"THE BREED THAT OUTLIVES ALL THE BREED BOOMS"

Breed Parks' Strain If You Want Eggs As Well As Fine Feathers
"THE STRAIN THAT PUT THE LAY IN THE BARRED ROCK FAMILY"

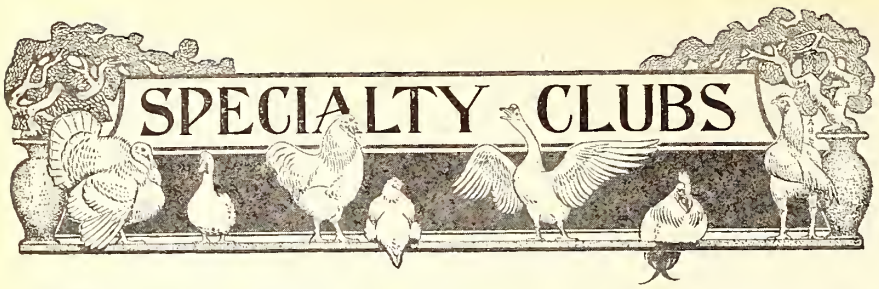
With their over 25 years of careful selection, pedigreeing and trapnesting for eggs, they have proven in customers hands to be well enough bred to lay 200 eggs in a year, and are fine enough marked to win a share of the Blue as our 1914 winnings show.

EGGS SELECTED $5-15; $8-30; $11-50; $20-100. DAY-OLD CHICKS TWICE THE PRICE OF EGGS.
SEL. UTILITY $2-13; $6-45; $12-100. EGGS AND CHICK CIRCULAR FREE.

My New 40-page Catalogue a Dime. Same may be deducted from first order. It is conceded to be the most practical treatise on the Utility Subject up-to-date.

NORMAL, ILL., February 19, 1914.
Dear Sir:—Allow me to congratulate you on your New Catalog. I have a stack of breeders catalogues a foot high and when it comes to downright good common sense yours has them all beat a mile, etc. PROF. L. HILDEBRANT.

J. W. PARKS, Box W, ALTOONA, PA.



MANY CLUBS OFFER SPECIALS

For the 1914 exhibition of the Forest City Fair, Cleveland, Ohio, the prize list in the Poultry Department has been completed. There is no material change in the classification, but it has been made more complete.

The following poultry clubs have offered special premiums:

American Barred Plymouth Rock Club, Strafford, Pa., H. D. Riley, Sec.

The National White Wyandotte Club, Delmar, N. Y., A. J. Gies, Sec.

The American Buff Wyandotte Club, Amityville, N. Y., J. E. Wilmarth, Sec.

The National Partridge Wyandotte Club, Valparaiso, Ind., Wm. Erfurth, Sec.

The Red Breeders' Club of the World, Indianapolis, Ind., W. C. Pierce, Sec.

The Rhode Island Club of America, Manchester, Conn., W. H. Card, Sec.

The American Buckeye Club, Nevada, Mo., A. H. Weisberg, Sec.

The Rhode Island White Club of America, Cecelia, Ky., Mrs. C. M. Vertress, Sec.

The American Light Brahma Club, Indianapolis, Ind., F. F. Johnson, Sec.

The American Single Club Brown Leghorn Club, Knoxville, Tenn., J. H. Henderson, Sec.

The Southern Single Comb White Leghorn Club, New Orleans, La., Geo. A. Eyrich, Sec.

The National Single Comb Buff Leghorn Club, Caldwell, N. J., Thos. Peer, Sec.

The American White Face Black Spanish Club, Northville, N. Y., M. H. Lindsey, Sec.

The International Ancona Club, Cleveland, O., R. A. Tierney, Sec., 1555 East 82nd St.

The National Single Comb Buff Orpington Club, Richards, Mo., M. S. Brady, Sec.

The National Rose Comb Orpington Club, Melrose Highlands, Mass., A. R. Brown, Sec.

The National Single Comb Black Orpington Club, Cincinnati, O., M. M. Brown, Sec.

The American Black Orpington Club, Eaton, Ohio, Ora Overhalser, Sec.

The American Houdan Club, Penn Yan, N. Y., J. A. Underwood, Sec.

The American Cornish Club, Red Lion, Pa., R. E. Glenn, Sec.

The American White Orpington Club, Richmond, Va., F. S. Bullington, Sec.

The American Buttercup Club, Factoryville, Pa., Isaac F. Tillinghast, Sec.

A total of over $3,000 is offered for poultry, pigeons and pet stock. About June 1st the premium list will be ready for distribution. H. J. Kline, general manager.

AMERICAN BARRED PLYMOUTH ROCK CLUB

The annual meeting of the American Barred Plymouth Rock Club was held at the Indianapolis Show, February 5th, 1914. The following officers were elected for the coming year: President, C. E. Spaugh, Ind.; secretary-treasurer, H. D. Riley.

The report of the secretary-treasurer showed the club to be in a flourishing condition, 506 new members having joined the past year. The new constitution and by-laws were adopted It was voted to give $25.00 to be offered as specials to a show in each of the five states that enrolled the greatest number of new members in a year, this show to be chosen by vote of the state members. It was voted that this club go on record as favoring the placing of the names of all exhibitors on coops before judging at all shows. It was voted to recommend reducing the Standard weight of a Plymouth Rock cock from 9½ pounds to 9, and a hen from 7½ pounds to 7. The secretary was instructed to publish a Club Catalogue this coming spring. Every breeder of Barred Rocks is invited to join the club. Today, the club assumed the lead in all things pertaining to Barred Rocks. Its membership list is made up of the prominent breeders of Barred Rocks of the United States and Canada. It is a directory of who is who in the Barred Rock world. If you want to be known, and if you want to have a hand in shaping the future and in keeping at the top of our favorite breed, join the club. The dues are $1.00 a year, and you are eligible to compete for our handsome club ribbons at all shows, and for our State Cups which are offered in every state, besides receiving literature of the current happenings in the Barred Rock world. Send n your name at once, so that it may appear in the Catalogue soon to be published.

R. C. BLACK MINORCA CLUB MEETING

The annual meeting of the International Rose Comb Black Minorca Club for 1913-14 was held at Springfield, Ill., Jan. 8th, in connection with the Illinois State Poultry Show. The exhibit of Rose Comb Black Minorcas was made by fifteen different breeders scattered over all parts of the United States and was considered the largest and best class of this variety ever brought out. The awards were placed by J. H. Minshall. Minorca alley was in the center of the hall and attracted considerable attention and no doubt will result in many new breeders taking up this noble breed.

The election of club officials resulted as follows: President, H. A. Keister, Bangor, Mich.; vice-president, J. S. Bales, Springfield, Ill., secretary and treasurer, Loyd C. Mishler, North Manchester, Ind.; directors, Mrs. Cora A. Shoemaker, Granville Summit, Pa., E. M. Campbell, Columbus, Ohio, J. H. Minshall, Brantford, Ont., Howard H. Shields, Bennington, Vt. The meeting went on record as being opposed to any raise in weights of Rose Comb Black Minorcas. A silver loving cup will be offered yearly at the National Egg Laying Contest at Mountain Grove, Mo. The treasury is in the best condition it has ever been and the prospects are bright. Send to Lloyd C. Mishler, North Manchester, Ind., for club catalogues and application blanks.

NOTICE TO BREEDERS OF ENGLISH PENCILED RUNNER DUCKS, WHITE EGG STRAIN

The English Penciled Runner Club of America was organized April 4th, 1912. The club is governed by a board of 12 directors including the officers. We propose to establsh State Vice Presidents in each of the states to look after the interests of the club.

The English Standard has been adopted with the addition, that any duck laying a green egg is disqualified. Any member of ths club known to exhibit at any show or to sell any strain

ROSE COMB BROWN LEGHORNS

First Prize Winners at Easton, Allentown, Bethlehem and Nazareth. None better. Some choice cockerels and pullets that can win, very reasonable. Eggs for batching from pens containing winners $3 per setting.

FEHR & STROHL, R. R. No. 3, EASTON, PA.

Harter's Imperial "Golden" Buff Plymouth Rocks

Win Special for Best Display at the Great New York State Fair Sept. 8 - 13 - 1913

Complete winnings were as follows:— 1 cock, 1-3 hen, 3 cockerel, 1 pullet, 2 pen old, 2 pen young. In a class of 115 said by breeders and judges to be the strongest class ever exhibited at the N. Y. State Fair. Do you want some of this quality? It will win for you. I have several hundred head of choice cockerels and pullets now fit for showing. Write me for prices and say when and where you wish to exhibit.

NESCOPECK POULTRY FARM, S. H. Harter, Prop., Box W, NESCOPECK, PA.

EL - CO - VA FARM

WHITE WYANDOTTES S. C. ANCONAS

Best matings $5.00 per setting of fifteen eggs. Second best matings $3.00 per setting. Two settings $5.00. Third best matings $2.00 per setting. Three settings $5.00. Anconas utility eggs $8.00 per hundred. Winners Buffalo, Philadelphia, Albany, Yonkers and Poughkeepsie.

EL - CO - VA FARM, Elias C. Vail, Owner, VERBANK, N. Y.

A. B. C. AGAIN SUPREME

At the Rochester Industrial, September 15-20, 1913. The A. B. C. Strain of S. C. Buff Leghorns prove themselves invincible. In a splendid class they win under Judge Bean: Cocks, 1-2; Hens, 1-2; Cockerels, 1-2; Pullets, 1-2; Pens, 1-2. $10.00 in gold for best display in competition with all varieties in the Mediterranean class. Judges and breeders agreed that never had such a string of Buff Leghorns been shown by any other breeder. Showing the wonderful uniformity of type and color through my flock. 100 cockerels and pullets ready to go in the show room now. Free,—Illustrated Catalogue and price list.

A. B. COX, 49 Thurston Road, ROCHESTER, N. Y.

of Runners that lays a green egg, is liable to suspension from the club.

Our object is to make it a guarantee to all purchasers of Penciled Runners, that when they are dealing with members of this club, they are getting pure white egg strain.

We expect to get out a Year Book sometime this year, which will contain all the names and addresses of the members of the Club. It will contain some very useful information and articles on the Runner Ducks written by some of the most prominent breeders.

The Penciled Runner has been exhibited in large classes for several years past at the largest shows in America where they have won silver cups and valuable specials. We expect the Penciled Runner to be admitted to the American Standard this year. It being the oldest known variety of Runners, should have been the first to have been admitted.

Membership dues, including first year's dues, are one dollar. All breeders of the English Penciled Runners (white egg strains) are requested to join and help boost the world's champion egg layers, as the Penciled Runner now holds this title, having won it in competition in which 6 ducks averaged 267 eggs per year.

By joining the club you will be helping us, also helping to boost the Penciled Runners. Show how interested you are in their welfare by sending us your name and dues at once. Charles Fraser, Sec. & Treas., Marlton, New Jersey.

HARDY CANADIAN-BRED ORPINGTONS

Success in any branch of the poultry industry depends first of all on the physical condition of the stock. That is, they must be healthy and vigorous. With health and vigor as the foundation the breeder may develop his strain successfully along standard or utility lines or a combination of both.

For many years Hugh A. Rose, Fonthill, Ontario, Canada, has been in the forelight as a breeder of Orpingtons—Buff and Black. His flocks were originally established with the best specimens to be found in this country and England, and his determination to produce only the best led to vigorous culling of the breeding stock with the result that only the most vigorous specimens were used. In addition to this they are housed in fresh air houses and are bred to withstand the rigorous Canadian climate which is another assurance of their hardiness. They are rapid growers and splendid winter layers, characteristics which added to their well known standard qualities makes them one of the leading flocks of Orpingtons in America. Mr. Rose has exhibited at several shows each season and has always selected the strong competition of such exhibitions as Madison Square Garden, Boston, Chicago, Baltimore, Pittsburgh, etc., etc., and has never failed to win a share of the high honors. In many instances he has won more first prizes than all his competitors combined, in fact this was accomplished by his Buff Orpingtons both at Madison Square Garden and the Chicago Coliseum shows this season, and at Pittsburgh his Blacks captured every first prize but one. Many other notable records have been made by these "Hardy Canadian-bred birds", full particulars of which may be learned by sending today for a copy of his handsome new catalogue for 1914, one of the most beautiful and interesting books of its kind ever issued by an Orpington breeder. This splendid book will be sent free to all readers of this magazine who write for a copy and address Hugh A. Rose, Fonthill, Ont., Canada.

COVERT'S CATALOGUE

All readers interested in Buff Orpingtons should write Harry M. Covert, 2500 North 13½ St., Terre Haute, Ind., for a copy of his 1914 catalogue, which is now ready for mailing. This is an interesting little booklet and every word it contains shows that Mr. Covert is a very enthusiastic Buff Orpington fancier. During the past season his Buffs have been very successful in the show room, their complete record for the season is given in the catalogue. He has mated six pens for the coming season and these are also described in detail. For further information send for a copy of his catalogue today.

AMERICAN POULTRY WORLD GETS THE BUSINESS

Under date of March 16th, F. E. Woodard, East Longmeadow, Mass., writes as follows: "I am literally swamped with orders for eggs. And am returning money to customers, very often two or three times each week. I have returned over $400 in cash to date, this year. The R. I. Reds are certainly going a very fast clip here at any rate. A good per cent. of the enquiries mention Poultry World".

WOODCREST STRAIN

Chas. H. Wood, Worcester, Mass., Woodcrest strain of Partridge Wyandottes, made a remarkable showing at the last Madison Square Garden show, where twenty out of twenty-two birds in his exhibit were under the ribbons. In the twelve page catalogue for the season of 1914, Mr. Wood gives many facts regarding the Woodcrest Strain and also describes his ten matings for the coming season. The prices of eggs range from $5.00 per 15 to $15.00 per 15, and all eggs are guaranteed to be absolutely fresh and from the designated pens. All infertile eggs will be replaced once providing they are returned by express prepaid within twelve days from time they are received. For further information all readers interested in Partridge Wyandottes should secure a copy of this booklet.

WHITE WYANDOTTE CHICKS

We are advised by Fred C. Lisk, Romulus, N. Y., breeder of White Wyandottes, that he already has a fine lot of chicks on hand and that they are strong and vigorous, as Mr. Lisk expresses it—"The kind that have the kick in them". Those desiring birds for the early shows should write Mr. Lisk for prices and have the birds reserved.

LIGHT BRAHMA CHAMPIONS

Our long list of victories at leading shows stamps our LIGHT BRAHMAS as the Champions. Our record includes 3 firsts, 3 thirds, 1 fourth. Club Cup best display; Brinley Cup best Cock, Hen, Cockerel, Pullet and Pen; Cup for best shaped female; best colored male, best colored female, and best cockerel in Asiatic class, 31 competing, Medal for best bird in Asiatic class, 133 competing; Medal for best pen in show, 120 pens competing. All at Club show, Philadelphia, 1912. At Madison Square Garden, Dec. 1912 - Jan. 1913 - 1, 2, 4 Cock; 1, 2, 3 Hen; 1, 3, 4, 5 Cockerel; 1, 3, 4, 5 Pullet; no pen shown, best display and all color and shape specials. At Boston 1913 - 1 pen, no singles entered. We have some of those dark pointed Cockerels that everyone is looking for, also some fine females for sale. Eggs from selected matings $5 and $10 per setting.

BALCH & BROWN, MANCHESTER, CONN.

NICHOLSON'S ROYAL BLUE ORPINGTONS AND BARRED ROCKS



A Royal Blue Orpington

First Prize Winners, Season 1914, New York, Boston, Chicago. Won more first prizes on Blue Orpingtons at above shows than the Rest of the Breeders of the United States and England combined who exhibited at the above shows.

HALDIE NICHOLSON

Box W, LEOMINSTER, MASS.

You Get an Exact Duplicate of the Machines



that have won Eight World's Championships with 100% perfect hatches in competition with incubators costing three and four times as much. My big portfolio "Hatching Facts" tells the interesting story—tells it in the words of the prize winning Belle City Champions themselves—tells how thousands of Belle City users are scoring 100% hatches. Over a quarter of a million Belle City hatching outfits are in use. The book illustrates incubator and brooder in actual colors—you want this book. Write for it today. It is free. Why take chances when you can have my **eight**

Times World's Champion



Belle City

My Belle City has double walls, dead air space all over, self-regulator, self-ventilator, copper tank and boiler, safety lamp, big, roomy nursery, famous "Tycos" thermometer, strong egg tray, egg tester, complete book of instructions.

My World's Famous Belle City Brooder is the only double wall, hot water, top heat brooder made—guaranteed to raise the chicks. 1, 2 or 3 months' home test—10 year money back guarantee.



WRITE ME A POSTAL I will quote you my low price. I know it will surprise you because you can hardly believe that an Eight-Time World's Champion Incubator can be sold at such a remarkably low price. Just write: "Send Hatching Facts," and my whole interesting proposition will come to you free. Jim Rohan, Pres.

Belle City Incubator Company, Box 117, Racine, Wis.

PRODUCTION AND FERTILITY

Presence of Male Bird Has Little Effect on Number of Eggs Produced

The great importance of producing infertile eggs for market, especially during the warm season, now being emphasized by the agents of the Department of Agriculture, adds interest to some experiments made some years ago by Professor Jarvis of the Ontario station, with the following results:

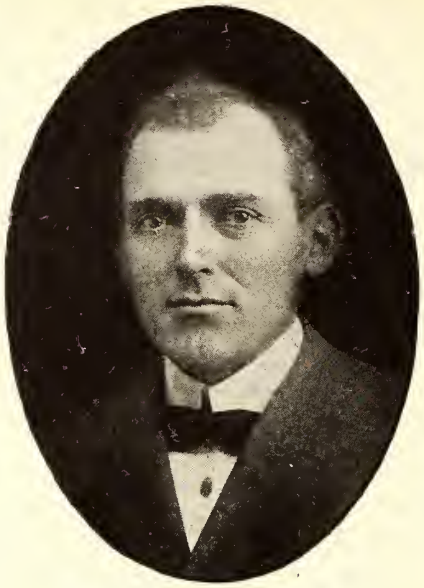
Ten laying hens were separated from the male. The eggs laid each day were placed in an incubator and their fertility tested. Of the eggs laid during the first four days after the male was removed, 70 per cent. were fertile; of those laid on the fifth day, 61 per cent.; on the seventh, 49 per cent.; on the eighth, 12 per cent.; on the ninth, 2 per cent.; and on the tenth all were infertile. A test was made with six laying hens to determine the time which elapsed before eggs become fertile after a male is introduced. On the third day 30 per cent. of the eggs were found to be fertile; on the fourth, 42 per cent.; on the fifth, 50 per cent.; on the sixth, 60 per cent.; on the seventh, 70 per cent.; on the eighth, 68 per cent.; on the ninth, 70 per cent.; and on the tenth, 74 per cent. The influence of the male on the total number of eggs produced was tested with two lots. Lot No. 1 consisted of five pullets, five hens and one cock; Lot No. 3 of five hens and five pullets of the same variety as Lot No. 1. The test began January 1st and lasted until September 1st. Both pens were fed and cared for in the same way. Lot No. 1 laid 959 eggs, and Lot No. 2 laid 972 eggs. It can be seen that there was but very little difference in the number of eggs produced by the two pens, the larger number being credited to the pen that did not have a male bird in it. This is more evidence that the presence of the male has nothing whatever to do with egg production. —Exchange.

COUNTY LINE POULTRY FARM

A. G. Barlow, Medina, N. Y., proprietor of County Line Farm, and breeder of Bronze Turkeys, Columbian Wyandottes and Buff Leghorns, under date of March 10th, advises that he has recently entered into a partnership with his son, R. E. Barlow, and that they have added Rouen and Fawn and White Indian Runner Ducks to their list of varieties. Mr. Barlow has achieved quite a reputation as a breeder of Mammoth Bronze Turkeys and the stock exhibited by him won a majority of the prizes at the Buffalo and Rochester, N. Y., shows during the past season. His birds are vigorous and well marked and a Barlow tom should not only add quality but vigor to almost any flock. Better write them today for prices.

FISKE'S WHITE LEGHORNS

In the catalogue of Fiske's White Leghorns for 1914, we find the following:—"In presenting my 1914 mating list I am pleased to inform my readers that I have my Leghorns at last on a farm of my own, having purchased a place at West Springfield, Mass." Mr. Fiske is well located at the above place and is in position to give the same careful attention to orders that he has in the past and will be pleased to hear from all readers of AMERICAN POULTRY WORLD interested in strictly high grade S. C. White Leghorns.



HENRY W. ALT, BUFFALO, N. Y.

Member of the firm of Houck & Alt, specialty breeders and exhibitors of high-class S.C. Rhode Island Reds. Mr. Alt is a born poultryman. He understands the nature and habiis of poultry, and in addition is a hard worker—two important requirements necessary to success in the poultry business. During the past season Messrs. Houck & Alt have bred some of the season's finest productions of their variety, and have furnished blue ribbon winners for customers from the Atlantic to the Pacific.

HEWKE'S BUFF WYANDOTTES

Theo. S. Hewke, Middletown, N. Y., originator and breeder of Golden Glow Strain of Buff Wyandottes, advises that he has recently acquired by purchase a small farm near Middletown, N. Y., and has constructed new poultry buildings thereon, and is now in position to gradually enlarge his breeding operations with the "golden glow" strain. The new place is on the trolley line and the buildings are all of modern construction and running water is piped to all parts of the plant. Mr. Hewke has also installed an individual electric light plant, mammoth incubator and a new brooder system that will accommodate 1,000 chicks. Elsewhere in this issue will be found a small illustration giving a view of Mr. Hewke's home that he has christened "Boulder Knoll" This not only shows a portion of the poultry buildings, but the residence recently constructed. Mr. Hewke is preparing a new catalogue that he expects to have ready for mailing in the near future. All readers interested in Buff Wyandottes should send to him for a copy.

*** * * "The Leghorns" is the title of our newest book. Contains just the information that Leghorn breeders desire. Send one dollar for a copy*****

DUTTON'S R. and S. C. RHODE ISLAND REDS made another great win at the Grand Central Palace and Buffalo shows. Eleven Blue Ribbons and many specials. I sell Birds, but No Eggs. **E. M. DUTTON, NEWFANE, N. Y.**

Dartmoor Dark Cornish Win at Chicago, Dec., 1913. 1-5 cock, 4-5 hen, 1 cockerel, 2 pullet, demonstrating the fact that the Dartmoor line is still a leader among Cornish. A limited number of eggs for disposal. Write your wants.
Dartmoor Yards, C. S. Brent, Prop., Oconomowoc, Wisc.



POULTRY CUTS
Our new catalog now ready; latest and best designs; all varieties; ask for it today
Chas. L. Stiles. Columbus, Ohio

KILL RATS & MICE SCIENTIFICALLY with **Pasteur Laboratories Rat Virus**
NOT A POISON
HARMLESS TO POULTRY, DOMESTIC ANIMALS & MAN
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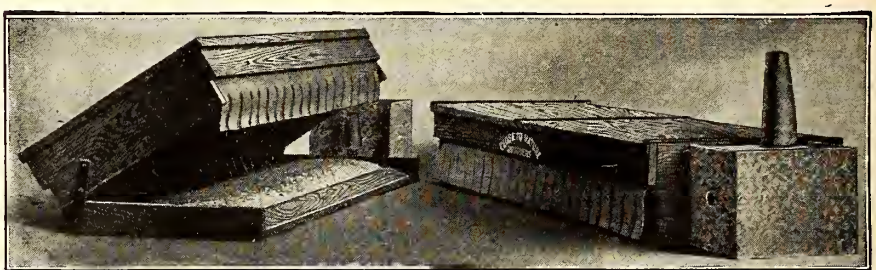
The Improved Champion Leg Band





Aluminum only, two sizes, adjustable to fit any fowl. Held by double lock. They can.t lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less 5c. Also Pigeon Bands.

T. CADWALLADER, Box 1412, Salem, Ohio



CLOSE-TO-NATURE OPEN AIR HOVER

The Longest Portable Hover Now Advertised

Five Feet Long, Warmed Evenly by Heater on Inductive Principle

Applies the three **Close-To-Nature** principles—**Contact Warmth** like the hen: Open Air Ventilation, not hot air; **Non-Piling** or **Overcrowding.**

Combines the **Fireless** with the **Lamp,** use the lamp for very young chicks and discard it as they grow older; or use the lamp during the daytime but extinguish it at night when they cluster for the night.

Hinged for easy cleaning out and airing. Roosting bed of earth or litter. Perfectly sanitary. Brooders on the same principles. Nothing like these brooders and hovers now on the market. Don't buy till you have read the Close-To-Nature circular. It is free. Very low prices this season.

CLOSE-TO-NATURE CO., 48 Front St., COLFAX, IOWA

GOVERNMENT WORK FOR POULTRY INDUSTRY

Conducted by Homer W. Jackson

BROODING AND FEEDING CHICKS

The purpose for which this Department was established was to provide for a review of recent station publications dealing with poultry. At this season, when poultrymen are intensely interested in the many problems connected with brooding and feeding young chicks, a review of station literature dealing with these subjects should be especially opportune. Unfortunately, there are practically no bulletins on these subjects that can be called "recent." The latest bulletin on this subject that I have seen was issued a year ago. Several of our stations are engaged in work of this nature and I know that they have new and interesting results to report, but none of these are now available for the purpose of this Department.

I believe, however, that it is well worth while to give a brief general review of station literature dealing with the rearing of chicks, if for no other reason than to show "how far we have come". Because, as a matter of fact, much that we now accept as common knowledge we owe to the careful investigations of station workers, the practical results of whose labors we have absorbed so promptly and so completely that we have forgotten to a large extent that we are under any obligation to them.

Bulletins devoted in whole or part to a discussion of brooding and feeding methods for chicks have been issued by a number of experiment stations, the first ones dealing with the investigations conducted at the New York Station (Geneva) during the 90's. Various experiments have been reported since then from the New York stations at Geneva, and Cornell University, Rhode Island, Pennsylvania, West Virginia, Connecticut, Oregon, Maryland, Kentucky, Indiana, Oklahoma and others. I can only refer briefly to the more important of these in this paper, doing so under the following heads:

BROODING CHICKS

At the Oregon Station experiments were made comparing the relative efficiency of hens and brooders in raising chicks (see Bulletin No. 100), from which the conclusion was drawn that a decidedly larger percentage of chicks may be raised by natural methods of brooding than in brooders. In experiments of this nature results, of course, depend quite largely upon the personal skill of the operator. It should be borne in mind that the experiments reported were made before the present highly efficient types of brooders were in common use; also that since then much has been learned in regard to the proper management of artificially brooded chicks. I know of no recent experiments that have been made along this line and it may well be questioned whether anything would be gained by making them.

The successful rearing of chicks in large numbers now-a-days, is entirely dependent upon artificial methods, and even if a theoretical difference in favor of natural methods could be shown there could not possibly be enough to offset the excessive labor cost involved. The writer has done

Empty Bags Wanted

Bags are in big demand. Don't throw them away—ship to us at once. We pay freight and remit highest market price. We are big—reliable. Your chance to turn useless bags into money. We buy all kinds—Oats, Corn, Mill Feed, Mixed Feed, Bran, Gluten, Sucrene, Chop, Dried Grains, Malt, Cotton Seed Meal, Alfalfa, Beet Pulp, Chix Feed.

St. Louis Bag & Burlap Company
337 No. Main St. St. Louis, Mo.

THE COMPLETE RECORDS OF THE 20 BEST BABY CHICK RAISERS IN AMERICA

That's the title of a a book we want to send you—*free.* It tells in an interesting way how twenty people solved the problem of raising baby chicks successfully. These twenty live in different sections of the country and had to cope with varying conditions. Their stories are instructive therefore, as well as interesting. The book is *free.* Send for it today.

RANCOCAS POULTRY FARM,
Box 612C, BROWN'S MILLS, N. J.



JEAN—1st Prize Hen, Albany, N.Y., 1912. Egg Record 281 Eggs. Score 98 Points.

ONDAWA FARM
WHITE LEGHORNS
WIN PRIZES And LAY EGGS

Winners of silver cups, sweepstakes, first and special prizes at prominent eastern shows during the last twelve years and known the country over as "The leading strain of heavy layers".

My winnings at the Albany, N. Y., show held January 1 to 5, 1912, in the strongest class ever brought together at this show, were as follows: 1st cock, 1st hen, 1st and 5th cockerel, 2nd and 3rd pullet, 2nd pen old and 4th pen young, also the $20 gold special for best exhibit of S. C. White Leghorns.

Eggs & Chicks from high class pedigree birds bred from trapnested hens at reasonable prices. If interested in the greatest winning and egg producing strain in America, send 10c for my beautifully illustrated 54-page catalog, describing my heavy egg producing strain and full of valuable information on poultry breeding, such as hatching, feeding, rearing, showing, etc. It gives over thirty photographs and many full page pictures of farm, houses and stock. If you are in the market for stock and eggs write me today. I have pleased hundreds, why not you? Address

LEWIS T. McLEAN,
Life Member of the National S. C. White Leghorn Club.
Ondawa Farm, Box 60, SHUSHAN, N. Y.

his full share toward trying to develop the commercial possibilities of natural methods of brooding and freely admits that from a practical viewpoint such efforts have largely been wasted. Probably there will always be some occasion for brooding with hens, under peculiar conditions, but in the ordinary rearing of chicks, brooding with hens can have no place on the practical poultry farm.

Bulletin No. 471 describes the present method of brooding at the Maine Experiment Station—adopted after trying out various commercial appliances, though no formal experiments were made, or at least reported in bulletin form. The method preferred at Maine involves the use of lamp-heated hovers of the Adaptable or Universal type installed in colony houses, the construction of the hovers being modified sufficiently to admit of having the lamp in the house instead of in a lamp box on the outside of the building. This arrangement makes the care of the brooders more convenient and probably increases to some extent the fire risk.

At the New York Station at Cornell (Circular No. 16) much attention has been given to developing the gasoline-heated brooder, the details of which are more or less familiar to poultrymen in all parts of the country. This brooder is a compromise between the small lamp-heated hovers with a capacity of 50 to 100 chicks, such as have been adopted at the Maine Station, and the oil or coal-heated brooders with a capacity of many practical poultrymen.

The gasoline brooder is designed to be used in a colony house and accommodates 250 to 300 chicks. It has proved very successful at Cornell and many poultrymen have adopted it. It may be of interest to readers to learn that the large oil and coal heaters designed to accommodate flocks of several hundred chicks have been tried out in an experimental way at the West Virginia Station, and an interesting report is anticipated though, unfortunately, its publication has been delayed.

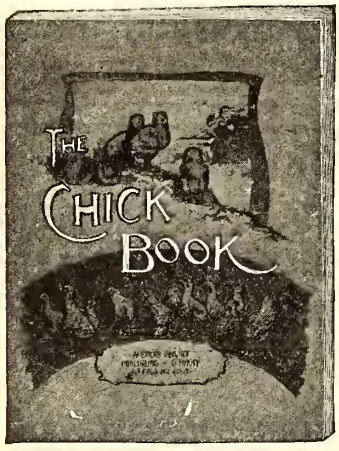


YAMA FARMS.

Third prize cock, "Barred Rock", Madison Square Garden, New York. This cock and the 2d hen won the President's Special for the best Barred Rock cock and hen. Dec. 26-31, 1913. [From an untouched photograph.]

FEEDING OF CHICKS

As has already been stated, the New York Station (Geneva) led in experiments in the feeding of chicks, a summary of the results of several years' work being reported in the Twenty-sixth Annual Report. These experiments dealt chiefly with the importance of animal food, mineral matter and grit in the chick's ration, and they gave the practical chick grower his first really scientific footing. At the Pennsylvania Station ex-



80 PAGES, 9x12 INCHES

NOW IS THE TIME
To Hatch Your Winners

It is coming to be a well known fact that many of our most noted prize winners were hatched in June. Many breeders have hesitated about hatching late chicks through fear that they could not raise them. Chicks can be hatched and raised at any season of the year IF YOU BUT KNOW HOW.

The CHICK BOOK

Tells you how. It is a book of thorough and reliable instruction on rearing chicks, both by natural and artificial means. The experience of successful poultry raisers is given, and trustworthy information and advice are furnished on all problems connected with the rearing, developing and fattening of chickens

NOTE SOME OF THE CONTENTS OF LATEST EDITION

Breeding: Constitutional Vigor—Line Breeding. Felch Line Breeding Chart. Selection of Breeders and Layers. Importance of Strong Germed Eggs.

Incubation. Artificial and Natural Incubation. Environment for Incubators. Ventilation and Moisture in Incubators. How to Set a Hen.

Brooding. Rearing Chicks Naturally and Artificially. Raising Chicks in Brooders.

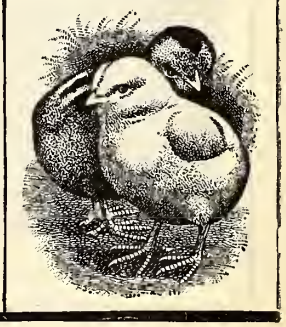
Care and Food. Feeding and Care of Young Chicks. Formulas for Feeding. Hopper Feeding.

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periments were made comparing the effect of different rations and methods of treatment on the rapidity of growth of chicks. (See Bulletins Nos. 87 and 107). These experiments show that chicks make more rapid growth when a portion of the ration is fed in the form of wet mash, as compared with all dry feeding. Heavier losses, however, were experienced with the chicks that were fed on wet mash. Between the ages of six and thirteen weeks, four to four and three-fourths pounds of food were required to produce a pound of gain. Between the ages of thirteen and twenty-six weeks, it required from four and three-fourths to five and three-fourths pounds of food to produce one pound of gain. The chicks in these experiments were kept in comparatively small yards and had little opportunity to secure food other than that regularly supplied them.

In experiments in the feeding of chicks, however, the work done at the New York Station at Cornell easily exceeds in importance that done by all other stations, and the results secured and reported in Bulletins 282 and 327, are accepted as final by most poultry raisers. It is impossible in the limits of this short article even to summarize the results reported in these two most valuable bulletins, and Bulletin 282, I presume, has long been out of print, I hope, however, every one interested will write for a copy of 327, which was issued in 1913, and should still be available, though the promptness with which editions of Cornell poultry bulletins become exhausted is discouraging. I wonder how long it will be before the authorities come to realize the importance of providing enough of these bulletins to meet the urgent demands of the public, and the economic waste of spending thousands of dollars and the time of valuable men in collecting data for bulletins which are "out of print" almost before the public learns of their existence.

In this review I can only present some of the conclusions drawn from the data reported in these bulletins. It was found that in a given number of chicks a large number and a greater total weight were marketed from flocks having wet mash and mixed grain rations than those having dry grain rations and they were one to two weeks earlier in reaching market weight. The chicks in these experiments preferred a variety of food and there were better gains and fewer losses where this was supplied. Dry feeding was found to require less labor, but gave comparatively poor results. Powdered milk proved to be a fairly good substitute for sour skim milk. Good results with wet mash feeding depend on carefully avoiding overfeeding during the first few weeks. Chicks that, in addition to the regular grains and mash ration, were hopper fed on meat scrap made better growth than those that were started on limited meat scrap. The feeding of meat scrap gave better results than when eggs were fed. The total dry matter in food consumed to get one pound of gain varied from 2.76 to 4.5 pounds during the first six weeks of the chicks' lives. During the fattening period of six weeks the food consumption varied from 2.12 to 2.61 pounds for one pound of gain. In other experiments the dry matter in food consumed per pound of gain varied from 3.50 to 4.87 pounds, the best gains being secured with mixed grains, wet mash and skim milk. During the fattening period of four weeks, the dry matter in food consumed averaged from 2.20 to 3.50 pounds per pound of gain.

In Bulletin 189 of the Ontario Agricultural College, an interesting experiment is reported in rearing chicks on pasture land as compared with rearing them in cultivated orchards. Several hundred chicks were used in the experiment. Most of the cockerels were removed when they weighed about 3½ pounds and the pullets were taken out during October. The chickens raised in the pasture field

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had consumed 3.2 pounds of grain for each pound of gain while those raised in the orchard had received 3.34 pounds of grain per pound of gain, the difference being negligible.

DISEASES OF CHICKS

Research work in the diseases of chicks has been conducted by a number of stations, chiefly with reference to white diarrhoea, but comparatively little literature on the subject is available, except that issued by the Connecticut Station at Storrs (see Bulletin No. 74), where one form of disease in young chicks has been carefully investigated and identified as bacilliary white diarrhoea. Work dealing with this and similar diseases has been carried on by the Veterinary Department, Cornell University, and the Rhode Island Experiment Station. The Division of Pathology, Bureau of Animal Industry, U. S. Department of Agriculture, has given much attention to chick diseases, but has published nothing on the subject, except Circular No. 128, on coccidiosis—an internal disease causing another form of white diarrhoea.

As a result of the investigational work carried on through these various agencies, the general causes of the heavy mortality in young chicks which has proved so serious a problem to poultry growers in many parts of the country, have been fairly well worked out and symptoms identified, so that it now is a comparatively simple matter to differentiate between the several diseases which cause epidemics of diarrhoea in chicks and to adopt necessary preventative measures. Unfortunately the data on these subjects are in a most fragmentary condition and almost inaccessible to the general public. A comprehensive summary of them appears to be greatly needed.

—o—

LITTLE'S REDS

A neat and attractive little booklet is issued by Geo. W. Little, South Braintree, Mass., specialty breeder of R. C. Rhode Island Reds, in which is described his farm and its location, also his five breeding pens mated for the season of 1914. These are selected matings and prices run from $5.00 to $15.00 per setting. Readers interested in this variety should write today for copy of this catalogue.



"CLARIBEL"—First prize Silver Campine pullet, Chicago Coliseum Show, December, 1914, owned by Frank E. Hering, South Bend, Ind., whose exhibit was the center of attraction in the Campine alley. Mr. Hering is booking orders for eggs and has an interesting catalogue describing his stock that will be sent free to readers who mention American Poultry World.

HADDOCK'S WHITE LEGHORNS

In a recent communication from Stewart Haddock, Prop. Granock Farm, Poughkeepsie, N. Y., giving data in regard to the winnings of the birds during the season, he states: "Would like to add that no birds in our breeding yards are placed there until their worth as egg producers has been proven. Last season we bred from fifty-three females, about half hens and half pullets. We kept an accurate record of each egg laid from January 17 to July 17, and found in that time that 53 females had produced 8280 eggs or an average of 46 eggs each day. The high mark was 49 eggs and the low mark 42 eggs".

This is a remarkable record and shows how carefully Mr. Haddock is selecting for egg production. He has stock for sale at all times and will give all those purchasing utility stock, detailed information in regard to feeding methods at Granock Farm, so that if the purchaser desires, the same methods to which the birds are accustomed can be continued. When writing Mr. Haddock, it will be appreciated if this paper is mentioned.

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John J. Campbell General Sales Agent HARTFORD, CONN.

THE WHITE FAVEROLLES

By Clem Watson, Oxhey, Watford, England

(Continued from page 447)

to study and the older breeders to work too. In shape, size and color they equalled anything seen either in England or on the Continent and could be taken as a standard guide for everyone to copy.

There is another great advantage in the Whites, both sexes can be produced from one pen and are not like so many varieties which need two pens to produce birds of equal merit for the show pen. The leg color should be a pinkish white and the skin white, and though so many people in America prefer the yellow legs and flesh, it is only a matter of fancy, for the Faverolle's meat is equal to the finest flesh yet produced, being soft, sweet and juicy. As soon as the prejudice is removed against the white skin, there are many breeds in England which will become popular in the states, but none more so than the White Faverolle, which is gaining favor fast in the old country. It is just a question of trial and once the variety has been taken up, they will not be dropped for any other breed, because they supply the most toothsome meat of any fowl and fill the egg basket to overflowing.

MONMOUTH FARMS CATALOGUE

One of the most attractive catalogues we have received this season is the one issued by J. C. Punderford, proprietor, Monmouth Farms, Freneau, N. J. Besides numerous halftone illustrations of the Monmouth strain S. C. White and Buff Leghorns and views of the farm, it contains a reproduction of a trio of S. C. Buff Leghorns in colors, produced from an original oil painting by A. O. Schilling. The printing is well executed on a fine quality of paper and it is a catalogue that any lover of poultry, Leghorns in particular, should take pleasure in possessing. A copy will be sent free to all who make request of Monmouth Poultry Farm, Box 82, Freneau, N. J.

TYWACANA QUALITY

The above is the title of the Tywacana Farms catalogue for 1914. It not only fully describes this modern poultry plant located at Farmingdale, Long Island, but also lays particular emphasis on the quality of the product of this noted farm. The book is nicely printed in two colors, profusely illustrated with views of the stock and plant and is one of the kind that is sufficiently interesting to be read from cover to cover. Besides giving a detailed description of the stock, care and management, business methods, etc., it describes the Wright baby chick and egg shipping box, the invention of Albert E. Wright, the superintendent of the plant. This box is extensively used as a safe means for the transportation of baby chicks and eggs by poultrymen in all sections of the country who recommend it very highly. For complete information address Tywacana Farms, Box 60, Farmingdale, L. I., N. Y.

BYERS' EGG GUARANTEE

C. S. Byers, Orpington specialist, Hazelrigg, Ind., has inaugurated a new policy in selling eggs for hatching. Mr. Byers guarantees eight chicks to each and every setting from his matings and if a less number hatch he will duplicate the original order free of charge, no matter what the cause of the poor hatch may be. In this guarantee Mr. Byers is invoking the Golden Rule and expects a customer to do as he would be done by and that he will make an absolutely honest report of the hatch. He is among the first to announce such a guarantee and it would indicate that he has absolute confidence in the fertility of the eggs produced by his breeding stock. The only way that Mr. Byers can lose through this guarantee is through the patronage of the unscrupulous.

REGAL CATALOGUE FOR 1914

The 1914 catalogue of Regal White Wyandottes issued by Jno. S. Martin, Port Dover, Ont., is now ready for mailing and will be sent free to all readers of AMERICAN POULTRY WORLD that will mention this journal when writing. It consists of sixteen pages and besides a description of Mr. Martin's matings for 1914 contains many illustrations of his winners and views of his farm, also several interesting chapters on poultry culture including, Care of Breeding Stock, Rearing Chicks, Poultry Diseases, etc. Better send for a copy today.



A BOOK FOR FAMILIES

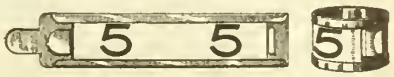
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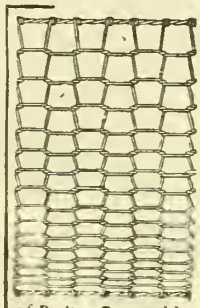


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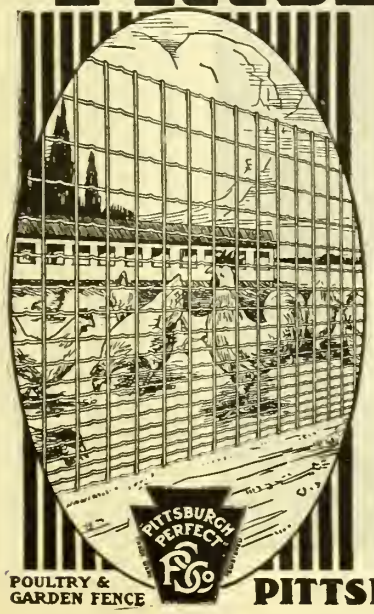
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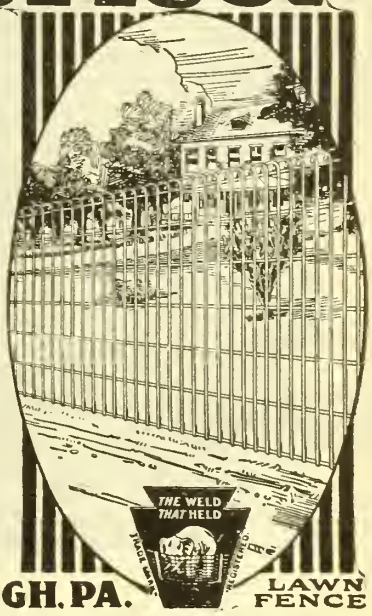
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J. W. Andrews of Dighton, Mass., holds a record for White Wyandotte winning that has never been equalled. At the Boston Show, which is regarded by many as the best and strongest class of the White Wyandottes every year, Mr. Andrews won first pen for six out of seven years, first cockerel for three successive years and second cockerel for four successive years. Cockerel and pen winnings in any variety are usually regarded by breeders as indicating the strength of any flock. With this as a standard, then Mr. Andrews White Wyandottes are of triple A quality.—Louis Paul Graham.

STANDARD BRED FOWLS
ANSWERS TO QUERIES

CROSS BREEDING

Q. Having bred a White Leghorn male to White Plymouth Rock hens will the pullet progeny be better layers than the White Rocks? (b) If these pullets are bred back to a White Leghorn male of a different strain will they produce better layers or will they deteriorate? G. H., Massachusetts.

A. Providing both the male and females are vigorous, healthy birds, a slight improvement in egg production may be gained with the first cross. But why cross your White Rocks with White Leghorns to increase egg production? The result of such a cross will be only an indiscriminate lot of culls in which there is not near the pleasure and satisfaction in owning as there is in a nice flock of pure bred birds. I would suggest that to secure the desired improvement in egg production that you procure a White Rock male from some breeder that has established a strain of heavy layers. (b) The chances are that no improvement would come with the second cross. The odds are that they would deteriorate rather than improve.

SHOULD PURCHASE A STANDARD

Q. Kindly tell me the difference between a pullet and a hen, also a cock and a cockerel. (b) Explain the different parts of a fowl, such as hackle, saddle, etc., and send me a score card. (c) Will feeding yellow corn to White Wyandottes effect their color? I have a White Wyandotte cockerel whose plumage has a yellow cast and as he is well bred I can not understand it. (d) Tell me how to select a White Wyandotte cockerel for a breeder. I. R. A., Ohio.

A. The Standard definitions are as follows: A pullet is a female fowl less than one year old. A cockerel is a male fowl less than one year old, therefore all males and females over one year old are regarded as cocks and hens. (b) The different sections of a fowl can best be understood by referring to the illustration on page 17 of the American Standard of Perfection. The hackle is that portion of the neck of the fowl next to the body and covered with long flowing feathers. The saddle is that portion of the back just in front of the tail and is covered with long flowing feathers similar to the hackle feathers. Other sections such as the wings, back, breast and fluff should not need any description if you are at all conversant with standard bred fowls. (c) The feeding of yellow corn is believed by many breeders to affect the plumage of white fowls, but if they are properly bred, that is, if it has been the aim of the breeder to secure pure white plumage, we do not believe that he need have any fear of the corn affecting the color of mature feathers. Sometimes during the moulting period a bird will show a creamy color, but this will entirely disappear as the feathers mature. Birds that are naturally creamy can not be made white by any legitimate method. Your cockerel while he may be pure-bred



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10 choice varieties, all new, fresh seeds, sure to grow and bloom this season. Pansy, 60 Colors; Phlox, 10 Colors; Verbena, 18 Colors; Pinks, 12 Colors; Petunia, 10 Colors; Asters, 12 Colors; Poppy, 8 Colors; Stocks 10 Weeks, 8 Colors; Mignonette, mixed and Sweet Alyssium. The 10 Packages only 12c.

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THEODORE S. HEWKE, *MIDDLETOWN, N. Y.*

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Eggs for hatching by settings or hundreds. **Rhode Island Reds, single and rose comb.** My matings for 1914 are the best I ever mated, containing winners from the leading shows of New York, Connecticut, Vermont, Massachusetts and Virginia. Free circular.
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Continuous Winners at Boston for Sixteen Years
Won First Pen 1906, '07, '09, '10, '11, '13 — First Cockerel 1907, '10, '11, '12 — Second Cockerel 1897, '98, 1910, '11, '12, '13.
EGGS FOR HATCHING
From 10 of the finest pens ever mated, that will produce next season's winners for you. Bred on true Wyandotte lines, that can lay eggs and win prizes. Send for Mating List.
DIGHTON, Box W, MASSACHUSETTS

215 EGGS A YEAR
A flock of 31 Pullets grown from our Chicks averaged 215 Eggs a year in the hands of a customer-an amateur.

MOUNT PLEASANT FARM
SINGLE COMB WHITE LEGHORNS
BRED-TO-LAY
DAY OLD CHICKS EGGS FOR HATCHING
500 COCKERELS 2.00 EACH
We Guarantee Safe Delivery Day Old Chicks
We Replace all Infertile Eggs
MOUNT PLEASANT FARM
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probably belongs to the latter class, tnat is, he is no doubt naturally creamy or brassy. (d) In selecting a White Wyandotte cockerel for a breeder you should refer to the American Standard of Perfection and select a bird that conforms as closely as possible to the description for an ideal male. In addition the bird should be healthy and vigorous and if possible he should be strong in the sections in which the females are lacking and vice versa.

WHITE FAVEROLLES AND WHITE LACED BLACK WYANDOTTES

Q. Will you kindly give a description of the White Faverolles and the White Laced Black Wyandotte? Mrs. S. T. L., N. Car.

A. White Faverolles are of recent introduction into America, but from the way they have caught on we believe they are destined to become very popular. They are a native of Northern France and take their name from the town of their origin. They are said to be splendid layers and mature very rapidly, making them desirable for broilers, roasters, etc. The Faverolles have rather an oblong body with a well developed breast, indicating an abundance of meat at this point, one of the qualifications of a French table fowl. They have feathered legs and five toes and a generous beard and muff. American breeders appear to be somewhat undecided on Standard requirements, some demanding a clean legged breed with four toes, while others believe the original type and characteristics should be maintained.

The White Laced Black Wyandottes are of English origin and to our knowledge none have ever been exhibited in this country. From the facts at hand we are forced to believe that the few specimens exhibited in England were far from perfect in feather markings, but the suggestion for a black fowl with white lacing will undoubtedly encourage some of the English fanciers to try to perfect the variety, which will be unique as well as beautiful.

WHITE ROCK BANTAMS

Q. I have been told that there are White Plymouth Rock Bantams and I believe that they would be desirable but can not find anyone who advertises them. I would appreciate any information you can give me in regard to this variety and where I can secure them. L. D. C., Mass.

A. The White Rock Bantam is becoming quite popular with fanciers in



W. F. Bast, Phillipsburg, N. J., made a fine record during the past season at important shows and the above Houdan male was among his winners. At Philadelphia Mr. Bast won silver cup for best display, also cup for best cock, hen, cockerel and pullet. The season's record is told in a circular that also gives description of his matings and prices of eggs and is sent free to readers who mention A. P. W.

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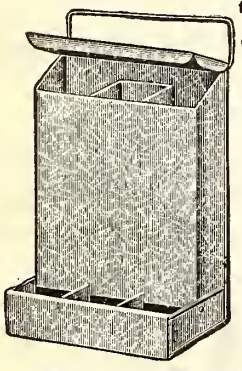
We have experimented repeatedly to get these results for you. For example, study the Kentuco Grit or Food Box illustrated here. We made and discarded no less than 15 different styles before this style was accepted. Now, we know of no other feed box in the world that can equal its service. Food or grit cannot clog in the reservoir—it cannot be wasted or polluted in the tray—you cannot pull box apart.

Kentuco Fountains are galvanized *after* they are made. That's why they are *entirely* rust-proof.

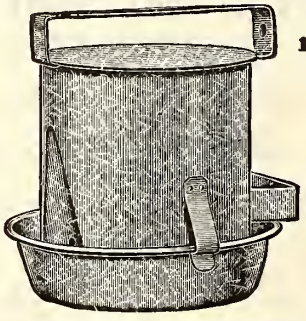
Ask your dealer for Kentuco articles. Their prices are no higher than those asked for most poultry ware, yet benefits of service are incomparable.

Write us for the big folder which tells the real facts about poultry ware. Also ask for the Kentuco Jar Fountain—free. In writing please mention your County as well as your City and State.

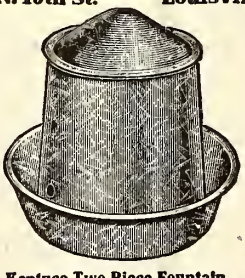
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114 N. 15th St. Louisville, Ky.



Kentuco Grit or Food Box
Prevents birds from wasting feed—there is always feed in the tray.



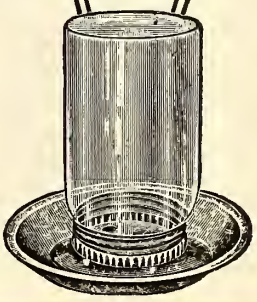
Kentuco Sanitary Wall Fountain
Can be taken apart and cleaned with a brush. No other fountain in the world like it.



Kentuco Two Piece Fountain
Absolutely rust-proof. Cone top keeps birds from perching on it and polluting water in the tray.

This Fountain Given Away

Kentuco Jar Fountain
If you will pay the postage and packing, we will send you the metal base for this handy jar fountain *free*. This is just to let you know more about the Kentuco Poultry Ware. Send ten cents in stamps.





At first glance the above picture does not disclose anything remarkable, but upon careful examination, we find that the four eggs in the background are placed end to end against a rule and they measure just 12 inches long, or an average length of three inches each. There are twelve eggs in the picture and they weigh 49 ounces or a fraction over four ounces each, and were produced by a Black Minorca hen, owned by Fred C. Gabriel, Prop. Raven Black Yards, South Bend, Ind.

some sections of England, but up to the present time we have not come in contact with any breeder on this side of the pond that was attempting to popularize them and we don't believe that you can secure good specimens without importing them.

PULLET AND COCKEREL LINES

Q. I would like to know what is meant by pullet line cockerels and cockerel line pullets? M. K. McN., Ohio.

A. These are terms used principally when referring to Barred Plymouth Rocks, and have been acquired through the use of double mating used in breeding this variety, to distinguish the males from different lines of breeding. For example, the breeder of Barred Rocks makes one mating for the purpose of producing exhibition or standard colored males; this is referred to as the cockerel line. A second mating is made to produce exhibition or standard colored females, thus the males from this mating would be called pullet bred cockerels or pullet line cockerels. The two terms are used merely to indicate on which side of the double mating fence each line of males belong.

DEFECTIVE COMB

Q. I have a very good Buff Rock cockerel, that is, he possesses fine type and a good even shade of buff all over without any shafting or foreign color and is unusually vigorous; his one defect is an extra large comb unevenly serrated, inclined to lop over and has a bad side sprig. He was hatched from a high priced setting of eggs and I would like to use him in my breeding pen, but have hesitated on account of his comb. What would you advise me to do? J. J. H., Connecticut.

A. Our main object when we mate up a breeding pen is to make a mating that will produce in the progeny a majority of specimens that are the equal of their sires and dams and some specimens that are superior, that is, we strive to advance from year to year. Now, if we are to place at the head of a breeding pen a male, and the male is half of the pen, possessing serious defects, we surely would expect these defects to appear in a majority of the progeny, therefore we must be taking a backward step instead of progressing. If we were in your position, we would not use this male, but would look over the females carefully and decide just he kind of a male we though would produce the best results when mated with them, and then try to procure such a specimen from some breeder whom we were sure had good stock. If you desire to experiment you might mate this cockerel with one or two hens that had exceedingly low combs with well formed serrations. Procure one or two settings of eggs from the mating and see what the results are. Would appreciate hearing from you when the birds had matured suffi-

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Winter hatching has always been an easy thing for Old Trusty. I don't mean for a year or two under favorable circumstances, but continually and everlastingly. As an average hatcher it has a big record winter or summer, north or south, in the hands of expert and beginner alike. Now is the time to get started. Get your Old Trusty a going and keep it on the job right through the winter.

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Old Trusty average is something over 80%. We guarantee it to be that much or better. We have made the guarantee for years and years, and know that Old Trusty can make good on it. I could show you sensational hatches, too, but I don't believe that's the thing that would interest you. What you want is the average, and that's where the Old Trusty has no equal. I might guarantee you 95% hatches, but I think too much of what you are going to think of me later.

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Get the plain facts on winter hatches. Why let the chickens be idle when they can be making good profits? The Johnson plan is worth getting. Mail a postal or letter for it today. If you order I'll prepay freight and ship machine the day the order arrives. Write for the book anyway. Address

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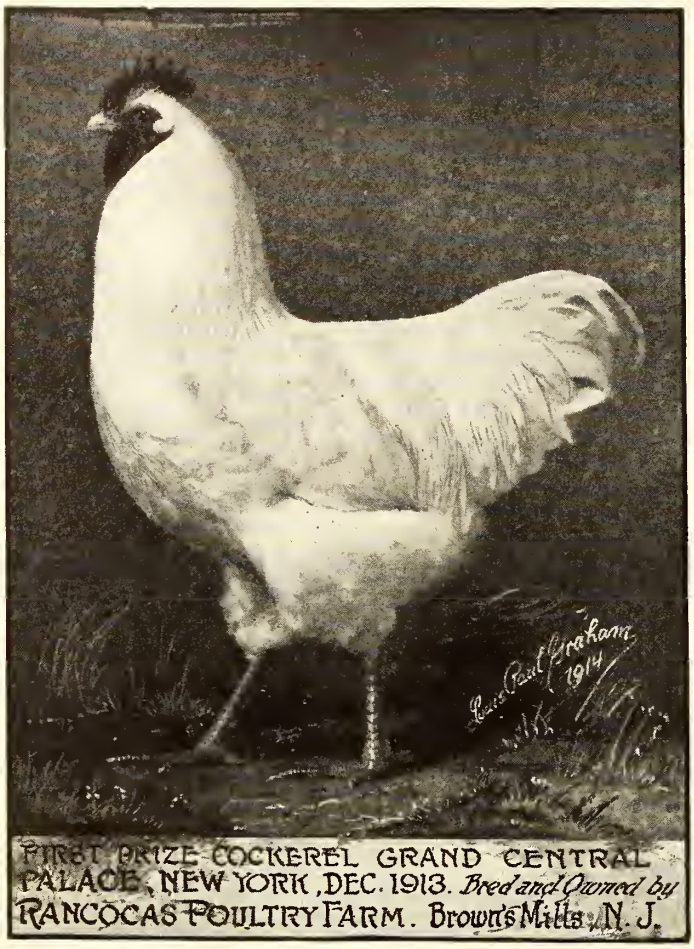
$5 less than any one else could sell it for—30 to 90 days' free trial—20 year guarantee.

ciently to determine their standard value.

PENCILED HACKLES IN SILVER CAMPINES

Q. As a regular reader of AMERICAN POULTRY WORLD, I would like to have you explain the standard requirements in regard to color of the hackles of Silver Campine females. I have visited several exhibitions the past season including Madison Square Garden, and I noticed that the winners, particularly at the Garden, had penciled necks or hackles. I have been breeding the Silvers in a small way for some time and as I interpert the club standard, clean hackles are desirable and are to be regarded as a distinguishing characteristic of the breed. If judges ignore this point and insist on awarding prizes to birds with decidedly penciled hackles, why should breeders strive to produce birds with clear hackle? L. E. H., Penna.

A. The Campine Standard as adopted by the American Campine Club states explicitly that the surface of the hackle in both males and females should be white and allots five points to the color of this section. As we interpret it, fully as much importance is attached to the color of this section as to any other and we believe it should be so regarded by those placing the awards in these classes. To produce well defined body markings, there is a tendency for the penciling to carry up onto the neck. As long as judges handling the Campine classes continue to show a preference for sharp well defined body markings without due regard for the color of the hackle just so long will breeders cater to that preference. The standard is supposed to be both a guide for judges and breeders, but so many of our specialty judges have developed fads and fancies that breeders have learned that to win they must show specimens that will conform to the ideal of the man that is to place the awards. This is not only true in Campines, but other varieties as well.

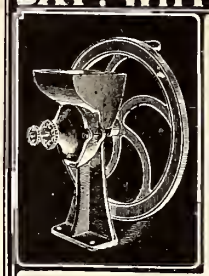


The above cockerel, winner ef first prize at the Grand Central Palace Show, was truly a remarkable specimen, and M. L. Chapman, manager of Rancocas Poultry Farm, Brown's Mills, N. J., is deserving of much credit for establishing the fine flock of White Rocks now owned by this farm. Their record for the past season is an interesting one and is fully described in the literature that is sent free upon application.

DUNE ALPIN MATING LIST

Complete information regarding the 1914 matings of the Dune Alpine S. C. White Leghorns is contained in a 32 page booklet just issued for free distribution to those interested in S. C. White Leghorns who will make request to Dune Alpin Poultry Farms, Box 561 W, East Hampton, N. Y. The show record of this strain is a long one and includes some of the most coveted prizes at our leading shows, which is a criterion of the quality of Dune Alpin S. C. White Leghorns.

SAY! WHY DON'T YOU



grind your own oats, corn, peas, dry bone, oyster shells, nut shells, dry stale bread, etc., for poultry feed on a GREAT BIG HAND GRINDER THAT NOW COSTS ONLY $4.00

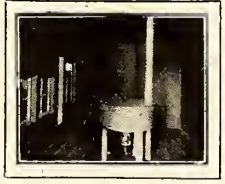
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A child can operate it.

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Operates the same as your furnace: fresh air drawn in; thoroughly heated and uniformly radiated, foul and poisonous air on floor, which causes chick mortality, automatically withdrawn; keeps the air at a proper temperature, pure and fresh; the only stove having forced intake of fresh air and forced draft outlet of impure air; heated with blue flame wick oil stove; air constantly changing, making chicks healthy and happy; proper ventilation, proper temperature and greater per cent of chicks raised to maturity.

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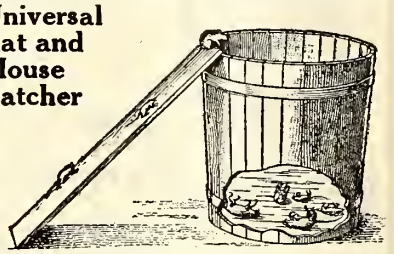
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Postpaid $2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make

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Universal Rat and Mouse Catcher



Cleans a building of Rats and Mice in a short time, and keeps it cleaned, for it is always ready fot use. Made of galvanized iron, can't get out of order and lasts a lifetime. A large number can be caughr daily. Go to the Catcher mornings, remove device on inside, which only takes a few seconds, take out the dead rats and mice and replace device and it is ready for another catch. A small piece of cheese, is used, doing away with poisons.

The Catcher is 18 inches high and 10 inches in diameter. When Rats pass the device they die and no marks are left on them. The Catcher is always clean. One of these Catchers set in a livery stable in Scranton, Pa., caught over 100 Rats in a month. One will be sent prepaid to any place in the United States upon receipt of $3. On account of shipping charges being prepaid, remittance is requested with order.

Catcher 8 inches high, for mice only, prepaid for $1.

H. D. SWARTS, Inventor and Manufacturer, Scranton, Pa

EVERYBODY'S COLUMN

A GOOD RECORD

Editor American Poultry World:

Our laying stock for 1913 consisted of 225 hens and pullets at January 1, down to 175 at October 1st. Our 100 new pullets did not begin laying with the exception of say 15 to 20 dozen eggs until after January 1, 1914. Our egg sales for the year were a little more than $750.00. Mrs. E. T. K.

COLOR OF SHELL IS ALL

Editor American Poultry World:

As there is a great deal of argument about the difference in quality of a white shelled egg and a colored one, the claim of a breeder of Barred Rocks and White Leghorns that a brown egg is richer than a white egg may suggest an article on the question for A. P. W. He said his wife is a baker of fancy cakes—he had Rock pullet eggs and Leghorn hen eggs in a basket and said six of the brown eggs would make a better "angel food" cake than 6 of the white eggs. I told him it was contrary to all authorities. His wife joined the argument and said it had proven to be true both with her and others in baking "Angel food" cakes. If the quality is the same could there be a difference on account of there being more aqua in a large (hen's) egg than in a smaller (pullet) egg. Could that be determined in case of "Angel food" cake? I remember reading that a small egg is as nourishing as a large one, the chemical difference being only a larger amount of water in the larger egg. J. F. B., Penna.

For many years there has been a popular supposition in some sections that a brown shelled egg was superior to a white shelled one, that is, many claim that the brown shelled egg is richer and when put to culinary use gave better results than the white shelled eggs. According to analysis, be it brown or white shelled, an egg is an egg, in other words it is said to contain certain percentage of the various elements of which it is composed. That there is a slight variation in the analysis made by different chemists' is true, but this is accounted for by the different ages of the eggs, the condition of the hens producing them, and the methods of feeding the hens producing the eggs. We are willing to admit that there is a slight difference between a brown egg and a white one, but it is only in the color of the shells and as these are not eaten or used in cooking, we are at a loss as to where to draw the line. Take eggs as they average, we believe analysis would show just as much variation between two or more brown shelled eggs as would be shown between brown shelled eggs and white shelled eggs. Like the story "Pigs is Pigs", we believe eggs are eggs regardless of the color of the shell and when it comes to angel food, we do not believe there is that person living that can tell "after" baking and tasting, the color of the shells of the eggs used in its composition.

THE BLACK WYANDOTTE

Editor American Poultry World:

As president of the American Black Wyandotte Club, I wish to call attention to one of the beauty breeds. When Wyandotte is metioned in hearing of a "chicken crank" (or fancier, would sound better), beautiful is the thought, for Wyandottes come with the finest shape a chicken can have. One can please most any whim as to color and I picked the Black Wyandottes for they were the least popular, and to see my ideal as I had it pictured in my mind's eye at the time I started, I was sure that if I could nearly approach it and let the public know, it would be popular, and with the revised Standard calling for yellow shanks and red eyes, they are

OUR S. C. WHITE ORPINGTONS

won at the big Syracuse, 1913, Show—1st and 2nd pen, 1st pullet 2nd hen, 2nd cockerel. Eggs from our prize winning stock, $3.00 and $5.00 per setting. I also have 25 pullets for sale at $3.00 and $5.00 each.

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Box No. 381, East Syracuse, N. Y.

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New Principle 100 Per Cent. Efficient
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EVERGOLD
BUFF WYANDOTTES

Cleaned up the field the past show season at Madison Square Garden, New York, National Meet of American Buff Wyandotte Club at Rochester, N Y., Cleveland, Ohio State Meet.

Bred in line for many years Evergold's are an established strain of winners and better yet Evergold's are bred to the limit of **heavy winter egg production.**

They may lay no more eggs in a year than the best of other breeds, but they come to early pullet laying and the eggs are laid when there is the greatest profit.

Eggs for Hatching—$2.50, $5.00 and $10.00 per 15. Good Breeding Males $5.00 and up.

If in a hurry send your money with first letter. We will give you your money's worth. Price list and mating list Free.. Elegant illustrated catalog giving our methods of feeding and breeding 20 cents.



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HATCHING EGGS
PENS 1-3, $15.00 setting
PENS 4-6, $10.00 setting
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Guaranteed 100 per cent. fertile

UTILITY EGGS
$1.50 per setting
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GRANOCK FARMS S. C. WHITE LEGHORNS

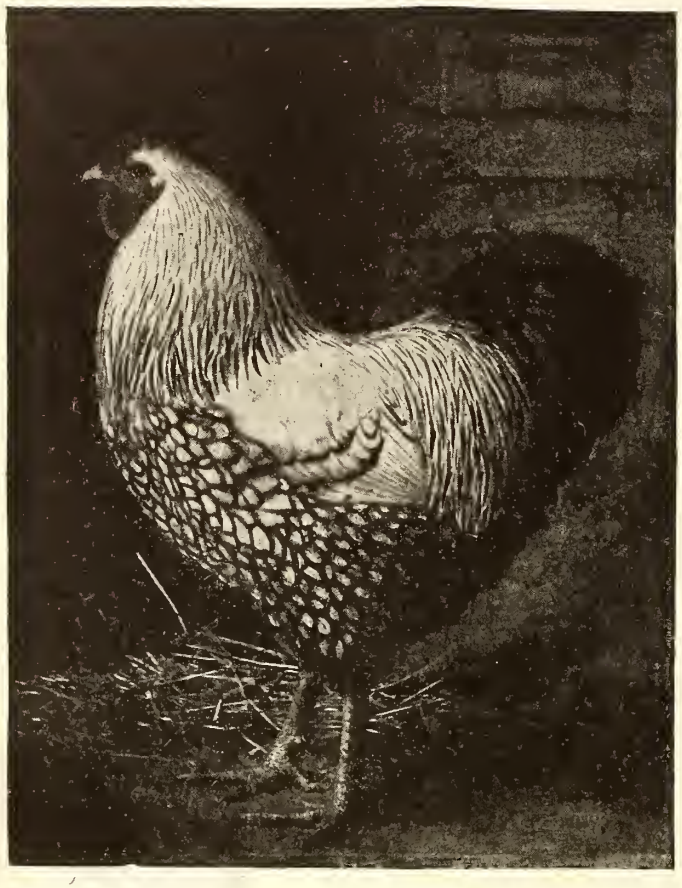
Have won at such shows as *Grand Central Palace, N. Y.,* Buffalo and Philadelphia this year. They are bred for egg production as well as show qualities. *We guarantee satisfaction and full value for your money. Make a noise like an order and we will prove to you that we can satisfy you like we have hundreds of others.* 1914 Catalog and Mating List *Free.* Send for one *Now.*

COCKERELS! COCKERELS! COCKERELS! Sold only under a guarantee to please, $4, $7.50 and $10 each
LOW BACKED PULLETS $2.50 and $5 each. Do not delay. Write us your wants now. TO-DAY.

STEWART HADDOCK, GRANOCK FARMS, POUGHKEEPSIE, N. Y.

going to be more popular, for it is in overcoming the difficult things that one gets the most satisfaction and credit. I exhibited 16 birds at the Greater Washington show the last week in December, and everyone had yellow shanks the equal of the Partridge Wyandotte with the exception of one and everyone had red eyes.

What I have done others can equal, for I want to improve upon my record. I expect to see the Black Wyandotte the most popular of the black chickens, they are fair sized for all around purposes as all Wyandottes are. My second prize hen was laying out in the open during December before the show, and the hen in first pen was laying and wanted to set during January after the show. Also some of the pullets from the pen were laying. The Black Wyandottes have yellow meat and make the most pleasing appearance for the culinary department. They are quick growers and good foragers when they have the opportunity. I moved from Washington, D. C., from a back lot where they were contented in very small pens to this 133 acre farm and they go for a ¼ of a mile (the young stock and general mating). The blacks are specially adapted to the farm for their general qualities, as they are not seen as easy as other birds by hawks, crows, etc. They are O. K. for the small pen as they don't show dirt and as they are black and not having the disadvantage that is complained of other black chickens such as white meat, feather on legs, small, etc., they must become the most popular of the black kind. Geo. H. Boyd, Paris, Maryland.



The above illustration shows a reproduction of an English bred Silver Wyandotte male, imported by Henry Steinmesch, St. Louis, Mo., well-known fancier and breeder of this variety. Mr Steinmesch has unlimited confidence in the Silvers and from present indications believes they are once more to occupy a place in the "lime light" of popular favor. His ad. will be found in another column.

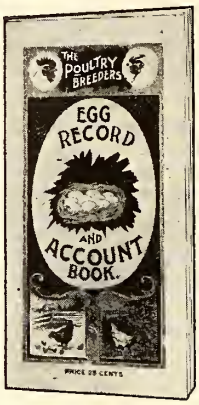
NOTICE TO SECRETARIES

Show secretaries desiring to serve the best interests of their association and secure attractive cooping for their next exhibition should get into communication immediately with the Genesee Cooping Co., Rochester, N. Y. This company has had a very successful season and has cooped several of the largest shows in the country, including Buffalo, Cleveland, Pittsburgh and Rochester. Secretary Campbell of the American Poultry Association in referring to the Buffalo show, cooped by the Genesee system, Thanksgiving week, states: "I have attended many large shows but the system of cooping at this show was the most perfect I ever witnessed." Why not add to the appearance of your show by adopting this method. For particulars, address the Genesee Cooping Co ,.Rochester, N. Y., and mention AMERICAN POULTRY WORLD.

SCRANTON'S MATING LIST

The record made by Scranton's Reds at the Chicago Coliseum show in December, is fully described in his new mating list for 1914. Besides the description of these winners several are illustrated. Copies are free to those who address B. H. Scranton, Box P W, Rising Sun, Ind., and mention A. P. W.

EGG RECORD
ND
Account Book



An Easily Kept Record of Profit and Loss

A simple, easy method for keeping correct account by the day, month and year of all expenses and income from eleven yards of fowls; also record of all eggs laid, set, or sold; chicks hatched, reared, sold, etc.; also record of orders as filled.

How much did you make last year?

This book was prepared to meet the need and demand for an accounting system whereby a breeder can rear poultry more intelligently as to profit and loss, and in its present form embraces the best of the systems employed by our most experienced poultry breeders.

The rapid sale of the several editions of this book and its universal approval by the poultry press and poultrymen is proof that it does the work for which it was designed.

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A full year's subscription to AMERICAN POULTRY WORLD and one Account Book for 60 cents.

American Poultry Publishing Co.

Buffalo, N. Y.

WHAT ARE PHENOMENAL LAYERS?

PROMINENT BREEDER WHO HAS ESTABLISHED A STRAIN OF HEAVY LAYERS GIVES HIS VIEWS ON THE SUBJECT AND ALSO QUOTES SEVERAL WELL-KNOWN AUTHORITIES

BY J. W. PARKS

At the time when new laying records are being established almost daily the question arises—What do we consider phenomenal layers? I believe to illustrate this, we can best use the terms of Rev. Edgar L. Warren, author of the book, "200 Eggs Per Year Per Hen", who states, "A hen that greatly exceeds her family, outclassing her nearest kin, may be termed a freak", and adds, that it seldom pays to use such a specimen as a breeder, and this is in keeping with our experience. In other words, our improvement should come in a general way and not in a few individuals of the strain or family.

Now the number of eggs that a hen of one strain of a breed might lay and be a phenomenal performer may be only an ordinary record when compared with the laying of another strain as the recent egg laying contests have proven. So a phenomenal layer is one that greatly outclasses her family. There are breeds, as has been proven in the last few laying contests, that actually do not have any strains whose females lay as many as 200 eggs. So a 200 egg hen in this instance would be a phenomenal performer, while we do not consider a hen out of her class unless she has passed the 220 or 230 mark. The best record we have of our strain to date is 275 eggs in 354 days. What is being accomplished by a certain strain of Barred Rocks is told by Rev. W. S. Crowell of Yarmouth, Nova Scotia, under the heading of the "World's Champion Layers", in the December American Poultry Journal, who writes: "Lady Morelay, a Barred Plymouth Rock hen, made the remarkable record of 292 eggs in 365 consecutive days, also that her eggs in February and March only run 50 per cent fertile, and later on entirely unfertile. There we have it in a nutshell, she made a phenomenal record, but what good is it if she can not reproduce.

There are extremes in every line. We may some day get the 300 egg strain, but it is some distance off. We would, however, very much like to grasp the hand of Prof. Dryden of Corvallis, Oregon, and congratulate him on his production of a hen that has just made the phenomenal record of 303 eggs in 365 days, and we hope that she will be the foundation for the establishment of a 300 egg strain and not prove to be worthless as a breeder like the individual mentioned above.

NATURAL HEAVY LAYERS AND FORCED HEAVY LAYERS

There are two classes of heavy layers as cited by one of our New Zealand brothers, Mr. H. Leger, who in the April, 1913, issue of the New Zealand Poultry Journal, under the caption of "Is Laying Overdone", says: "No, but we do not sufficiently differentiate between high production by forcing with stimulants and powders and high production by natural selection. They mix and confuse the two in a very careless way. We are all agreed that forcing is bad for breeding stock. We have the prolific tree and the almost barren tree. The former almost breaks under the weight of its fruit without forcing. It will come in regularly with its load and be as strong as any. The same with our egg strains, one lays and lays well because it's bred into it, while the other lays only by forcing or pampering it."

F. L. Platt in the January Reliable Poultry Journal under the heading, "Breeding Barred Plymouth Rocks For Eggs", writes, "Mr. Parks breeds only from hens that have laid better than 199 eggs in their pullet year.

Black Orpingtons

Scranton Winners' Jan., 1914. Eggs $2.00 per 15. Satisfaction or your money back.

E. A. LINDSAY, HONESDALE, PA.

WARSAW COOPING CO.



Manufacturers of Exhibition Poultry and Pigeon Coops of latest improved design. We make a specialty of cooping Poultry Shows, at reasonable prices. Write for particulars.

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WE PAY THE FREIGHT on Blue Ribbon Poultry Feeds

NO MATTER HOW FAR NO MATTER HOW NEAR

We give you the right prices and Pay the Freight. A Feed for every age and every need—Get the Habit and Use Blue Ribbon Poultry Feeds.

Write us today for our special Breeder's Price List, freight prepaid. We stand your mailing expense on all orders.

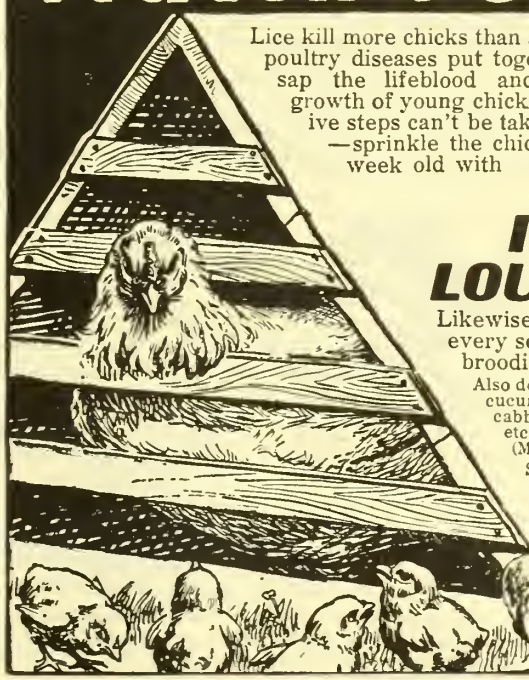
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EGGS AND BABY CHICKS FROM FOGG'S S. C. WHITE LEGHORNS

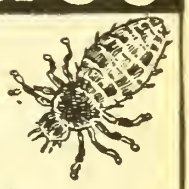
All our breeders this season are old birds, they produce the strongest chicks—THE KIND THAT LIVE. If you want the most for your money, send for mating list now. Safe arrival of chicks and eggs guaranteed.

N. V. FOGG, Box W, MT. STERLING, KY.

Watch For Lice



Lice kill more chicks than all the other poultry diseases put together. Lice sap the lifeblood and stunt the growth of young chicks. Preventive steps can't be taken too early—sprinkle the chicks when a week old with



DR. HESS

INSTANT LOUSE KILLER

Likewise the setting hen—practically every setting hen is lousy. Sprinkle brooding coops, nests and roosts.

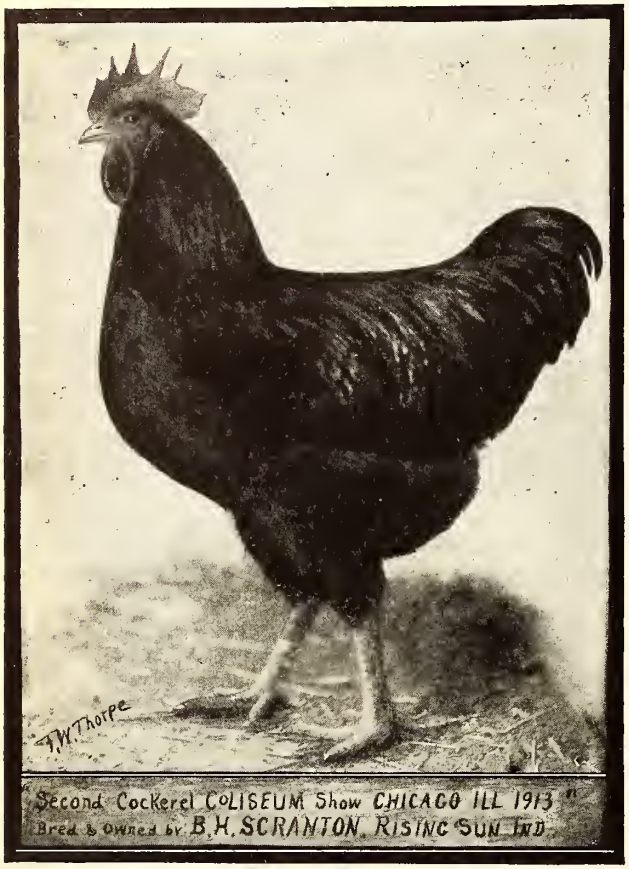
Also destroys lice on farm stock, bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc. Prescription of Doctor Hess (M.D., D.V. S.).

Sifting-top cans. 1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West.

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DR. HESS & CLARK, Ashland, O.

Very careful records are kept of the performances of each hen and they furnish much interesting data. His records show that his best layers, as a rule, are produced from normal or about 200 egg layers, rather than from phenomenal or high record birds. The great record hens seem to exert their full energy in their work of producing so many eggs and their pullets lack that fundamental and constitutional activity which characterizes the pullets of near normal layers."



As a producer of high quality S. C. Rhode Island Reds, B. H. Scranton, Rising Sun, Ind., is in the first rank. His record each season at leading shows is strong evidence of his ability as a breeder and scores of satisfied customers in all sections of the country speak well of his business methods. The above illustration is a reproduction of one of Mr. Scranton's recent winners and will convey a good idea of the quality of his productions.

In the December issue of the Massachusetts Agricultural College Bulletin, "Facts For Farmers", you will find the following sound advice on maturity and selection of breeders by Prof. J. C. Graham:—"In selecting breeders, those that come to maturity at an average age usually are the best. The very early matured ones are apt to be under size and their vitality is more or less sapped through heavy laying, so that they never become as strong and vigorous as those that mature later. Again the very late maturing ones may be the largest and in some instances the very best, but we want a flock of birds that will mature within a reasonable length of time."

Michael K. Boyer, one of our old reliable war horses of the industry, in commenting on the 200 egg hen in September American Poultry Advocate, writes in part, "We would rather have our hens average one hundred and twenty eggs a year and remain in robust condition than to have them with their systems broken down to become champion layers." Also "That laying strains are bred not born." While Prof. Quisenberry of the Missouri laying contest (the man that seems to be a sort of human dynamo when it comes to digging out utility facts) characterizes the phenomenal layer in the following terms. "That many high producers lay thin shelled eggs and that the germs are often weak". Commenting on the 1913 results of his contest he states that they made very gratifying individual records.

The good that results mainly, is not the development of these extremes in egg production, but in all-round improvement in the general flocks. One of the most important discoveries is that it is blood that tells.

Prof. Graham of the Guelph, Ont., Can., Experimental Station, must not be overlooked as his diligent work has brought out some remarkable truths. His Barred Plymouth Rock that made a remarkable record of 282 eggs can be numbered among the five greatest individual performers that we have official record of to date. Regret, however, that we have failed to see any further reports about her as a breeder.

I believe the best authority on the subject today is Prof. D. F. Laurie, poultry expert in charge of the South Australian Laying Contest where the greatest work is done along the line of improving egg production and where the several world's laying records have been made for pen average.

I have found after many years of study and experimenting, that as a rule, the daughters of normal layers have made better average records than the ones from the phenomenal layers. I have been using the same system in the selection of the male birds and used very few male birds the past few years whose dams laid more than 217 eggs and from such matings I have received some of my most favorable reports of great laying.

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Sears, Roebuck and Co., Chicago

TO RAISE CHICKS SUCCESSFULLY

By Prof. Horace Atwood
Poultry Husbandryman, West Virginia Agricultural College, Morgantown, W. Va.

(Continued from page 449)

BROODING

Three things are necessary for successful brooding: (1) Healthy chicks. (2) Pure air in the brooder. (3) Heat enough to keep the chickens' lungs properly warmed, especially at night.

Abnormal or unhealthy chicks can not be brooded successfully. If the temperature in the incubator has fluctuated widely; if there has been a lack of air during the incubating process; if the chicks have been allowed to pant for some time before being removed from the incubator, or if they are infected with the germs of any serious disease like white diarrhoea, they can not be brooded successfully. Or, if the breeding stock is too fat, sluggish and inactive, many of the chicks will die from non-absorption of the contents of the yolk sack in spite of anything that can be done.

If many chicks die, post mortem examinations should be made of the lungs and the yolk sack. If the lungs are dark red, soggy in appearance, or have whitish nodules scattered through the tissue, the chicks have either caught cold or they have been ruined in the incubator by having been allowed to pant. The lungs should be bright scarlet in color and of spongy texture. On the other hand, if the contents of the yolk sack has not been properly absorbed either chicks have white diarrhoea, or the breeding stock is too fat and out of condition, or the incubator has not been operated properly. It is a mistake to assume that non-absorption of the contents of the yolk sack is caused by too early feeding, such is not the case.

NEED OF FRESH AIR IN THE BROODER

A little chick's machinery runs at high speed, and consequently a larger amount of oxygen is needed in proportion to the body weight than is the case with any other of our domesticated animals. Many of our brooders are mere sweat boxes that shut in the heat and shut out the air. From the standpoint of fresh air the ideal arrangement would be to place the chicks on the floor of the brooder house without hovers or any other protection, the required heat being reflected downward upon the chick's back by appropriate means. Whatever may be the system of brooding used, however, we must constantly keep in mind the fact that little chicks demand fresh air and plenty of it in order to remain healthy. Give the chicks air.

The lungs of a little chick are poorly protected from changes in the temperature of the air, and there is a good and sound reason why a chick warms itself by running under the hen rather than jumping on the hen's back and sticking its feet down among the feathers. Projecting in between the ribs and lying on both sides of the back bone the lungs are covered by a bone, that in the young chick is so thin as to be translucent, and this in turn is covered only by thin skin and its accompanying down. In nature this delicate organ depends for its protection upon the mother hen. When a chick gets cold it runs at once to get its back warm, or in other words, to get its lungs warm, and in our artificial work we must realize this fact more fully and give the lungs the necessary heat protection especially at night when the chicks are inactive. Provide plenty of heat. Too much heat is less dangerous than too little, provided the chicks can get away from the heat without being forced into the colder air outside the hover where they may catch cold.

FEEDING BABY CHICKS

Of all our domesticated animals baby chicks stand in a class by themselves in respect to their rapidity of growth. Chicks when hatched weigh about one and one-half ounces each, and they can be made to weigh two and one-half pounds or forty ounces apiece when twelve weeks old. This is an increase of slightly more than twenty-six times the original weight in twelve weeks. In other words, during the first twelve weeks of its life a little chick averages to increase in weight each week more than double its original weight. Let us see what this means, taking for an example a

See The "BUCKEYE"

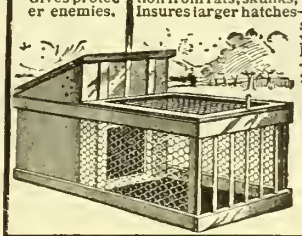
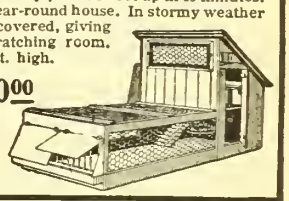
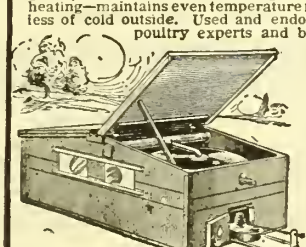
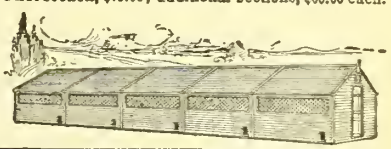
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Ayers' Columbian Wyandottes
Won the most coveted prize, first prize cock, at nine large shows this past season and with six different birds. There were nearly sixty Columbian breeders competing against me. In one of the largest classes of Columbians ever brought together, at the last *Grand Central Palace* Show I won as many *firsts* as any competitor. I also won at such shows as *Greater New York Exposition, New York State Fair, Rochester, Springfield* and others. More important to you is the fact that my strain is winning at large shows in the hands of my customers. My Columbians will lay more eggs in winter, when eggs are high priced than will the much praised White Leghorn. Eggs from the finest pens I ever mated at $3.00 per 15 and up. Every pen is headed by a first prize male and I guarantee you a fair hatch. You have a good chance of raising one bird that is worth many times the cost of the eggs. Will send my Mating List free to all who are interested in Columbian Wyandottes.
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young child. If a baby weighing ten pounds at birth were to grow relatively as fast as a chicken it would weigh about 260 pounds when twelve weeks of age! This extreme rapidity of growth in the case of a chicken requires liberal feeding, and I have never yet been able to understand why the advice is so frequently given not to over-feed little chickens, for if the chicks are healthy and are given an opportunity to take a normal amount of exercise, they will not eat more than they can properly digest and assimilate. A baby under normal conditions doubles its original weight in about 180 days; a chick in about six days. In other words, the processes of digestion and assimilation are about thirty times as active in the case of a chick as in a baby, and the amount of food required is about thirty times as great in proportion to the body weight. Liberal feeding is the keynote of success in feeding little chicks.

As stated above, the advice is frequently given to feed chicks scantily during the first few days or until the contents of the yolk sack is fully absorbed. This advice is like much other that is founded entirely on theory. It is true that there is a considerable amount of nutritive material stored up in the yolk sack in the case of a chick just hatched, but nature has provided this reserve material to supplement, but not to take the place of other food materials that the chick is able to get by its own efforts or by the efforts of the mother hen. In passing it may be well to say that this view of early and liberal feeding is apparently being adopted more and more widely by the most successful men in the poultry business.

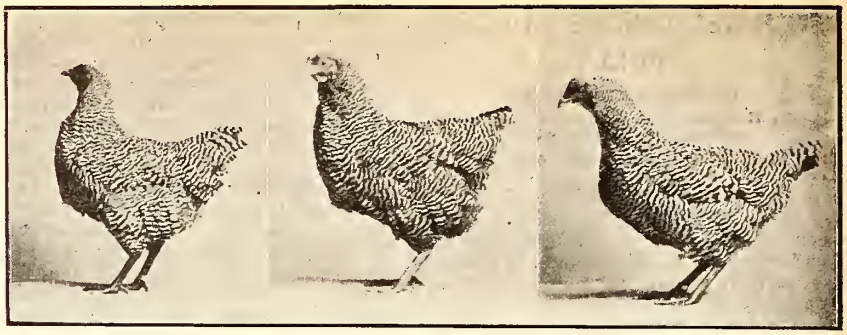
Admitting that the baby chick should be fed liberally and as soon after it is hatched as it desires food the question at once arises, what shall it be fed? The fact that a chick doubles its original weight in about six days gives us some very valuable information on this subject, for it has been found in the case of animals that suckle their young, that the composition of the mother's milk varies directly according to the length of time required for the young to double its original weight. The following table from Zeitochrift der Phisologioche Chenise, Vol. 27, p. 594, brings out this fact clearly.

Species	Time in days for the new born animal to double its weight	100 parts of milk contain Protein	Ash	Calcium	Phosphorus
Man	180	1.6	0.2	.021	.022
Horse	60	2.0	0.4	.086	.057
Cow	47	3.5	0.7	.114	.087
Goat	22	3.7	0.78	.143	.122
Sheep	15	4.8	0.84	.178	.127
Swine	14	5.2	0.80	.178	.135
Cat	9.5	7.0	0.02	———	———
Dog	9	7.4	1.33	.321	.233
Rabbit	6	10.4	2.50	.636	.437

The table shows that the more quickly the young animal doubles its original weight the more protein and ash constituents it receives in its ration. In fact, we might naturally expect this to be the case, for if the body of an animal is to be built up quickly it stands to reason that the ration should be concentrated and contain an abundance of protein to form flesh and ash constituents to form bone.

It is to be observed that of the nine mammals mentioned, the young rabbit doubles its original weight in the shortest time, or in about six days. In this respect it stands next to a chicken, although the latter grows relatively somewhat faster.

Assuming that a rabbit and a chicken, on account of the similarity in their rapidity of growth, require prac-

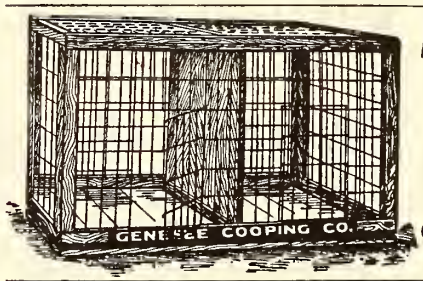


The Parks type of Barred Plymouth Rocks, combining both beauty and utility. Well enough bred to lay 200 eggs or better and well enough marked to win two first and a second at Wheeling, W. Va., Jan. 19-23, 1914. See Mr. Parks' article, "What Are Phenomenal Layers", on page 495.



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Will they grow into birds that I can feel proud of and that will lay Winter Eggs in quantities, or win the blue ribbons for me, or will they be just scrubs, that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

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Will mature into long backed, well made birds pure white in color, that will be the secret of "Winter Eggs". Every utility breeder is descended from known good layers that have been bred that way.

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tically the same relative amounts of the various nutritive materials in their food, let us see how some of the feeding stuffs commonly used in feeding chickens compare in respect to the total ash consituents, phosphorus, lime and protein with the amount of the same materials present in the milk of the rabbit.

Assuming that there is double as much dry matter in rabbit's milk as in cow's milk, then the dry substance of rabbit's milk would contain approximately 1.75 per cent phosphorus, 2.54 per cent. calcium, 10 per cent ash, and 41.6 per cent. protein.

Now, let us compare the composition of the dry matter of this milk with the composition, for example, of corn meal. In corn meal there is approximately 13 per cent phosphorus, .03 per cent. calcium, .68 per cent. ash, and 10 per cent. protein. In the dry matter of rabbit's milk there is, then, more than ten times as much phosphorus, eighty times as much lime, fourteen times as much ash, and four times as much protein. In other words, the dry matter of rabbit's milk is not only a richer and far more concentrated food, but it contains vastly more phosphorus and lime, used in building up the bones, and protein for building up the tissues. It is no wonder, then, that corn meal, which is typical of a ration consisting of grain only, when fed by itself, is not a good food for growing chickens. Of course, if a chick fed on grain has access to enough bugs and worms it will thrive, because animal food is rich in those particular constituents in which grain is deficient.

It may be well to point out here that a growing chick and a mature fowl differ in respect to the mineral matter required. A chick needs large amounts of lime and phosphorus, or calcium phosphate, for the formation of bone and flesh, while little of these materials are required by a mature fowl for mere maintenance. When fowls are laying, however, there is a demand for large quantities of lime which is used in building up the shell of the egg, and also for a considerable amount of phosphorus, as the yolk of an egg is a highly phosphorized substance.

EXERCISE

Under natural conditions a chick is busy from morning till night, either foraging on its own account or running eagerly to the mother hen when she finds a tidbit for her brood. This exercise promotes digestion and tends to keep the chick healthy and vigorous. When chicks are brooded artificially we should duplicate these conditions as far as possible. On this account the deep litter method of feeding chicks is to be commended.

HOW TO FEED

In addition to the cracked gains provided by the deep litter method of feeding, a mash of ground grains should be provided into which products of animal origin enter to a considerable extent so as to furnish the necessary protein, phosphorus and lime, or it may be desirable to rely entirely upon vegetable protein and make up the deficiency in ash constituents through the addition to the ration of bone meal or some of the commercial preparations supplying phosphorus. If this mash can be fed once per day, moistened with sour milk or buttermilk, the chicks will repay in increased growth for this extra attention. The mash should also be fed dry in hoppers. Sour milk is of great value in chick feeding, not only because it has an almost ideal composition for building up the body of the chick, but also because the lactic acid organisms present in the sour milk seem to have a very beneficial effect in preventing white diarrhoea and kindred ailments. Feed sour milk to the chicks whenever it is available. Supply tender, green food of some sort, and the chicks should thrive.

In my judgment the time has now arrived when no longer should it be necessary for the small poultry keeper or farmer to raise the necessary young stock that he requires. The rapid development of the day-old chick business indicates that people in general wish to escape the trouble of hatching and raising chickens and the purchase of day-old chicks solves this problem only to a limited and imperfect extent. Instead of buying day-old chicks, chicks eight or ten weeks of age, old enough to be placed in colony houses without artificial heat, would be purchased far more readily.

We now know enough about raising chickens so that they can be produced and marketed at a reasonable price, and this change from the marketing of day-old chicks to two-month-old chicks is sure to mark one of the greatest steps forward in the development of the poultry industry in our generation. This development can take place only when there is an expert knowledge of how to raise chickens. There is much yet to learn.

—o—

COOKS' 1914 MATING LIST

Wm. Cook & Sons, Scotch Plains, N. J., originators of all the Orpingtons, have issued a very interesting and attractive 12 page circular that not only gives much information in regard to their several varieties of Orpingtons, but also contains many interesting illustrations of ther stock and plant. They will be pleased to send a copy to all readers who will mention this paper when writing.

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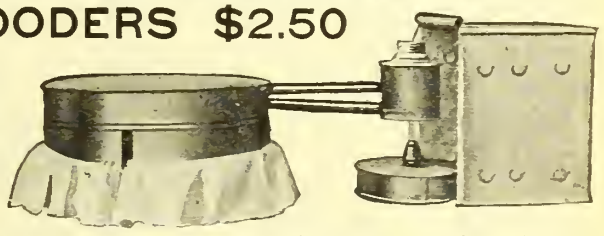
Ordinary feed is not the proper food for baby chicks. Their delicate digestive organs reqnire a special food properly balanced to meet the entire needs of their little bodies. Feed during the first 10 days after hatching

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and watch 'em thrive and ward off epidemic attacks—especially bowel troubles. Starts them off in life healthy with strong, vigorous constitutions. Introdnced in 1884—the original and best food for baby chicks, turkeys and pheasants. Ask your dealer for it. Accept no imitations.
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hot water tank above chicks that warms a flannel that lays on the chicks backs. Heat applied by contact.
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By R. O. Jarrett

Prop. Willow Bank Poultry Farm, Masterton, New Zealand

(Continued from page 453)

Face—fine, clean, free from wrinkles and feathers, deduct up to 5 pt.

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Neck—rather long, thin at head, deduct up to 5 pt.

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Size—pullets 4½ lbs., hens 5 lbs., cockerels 5 lbs., cocks 6 lbs., deduct up to 10 pt.

Condition, deduct up to 10 pt.

I can not conclude this article without mentioning the fact that to the New Zealand chief poultry instructor, Mr. Fred Browne, who in collation with the late Mr. E. Rose of the Government Poultry Staff, we are indebted for the above standard, must also be given the credit to a great extent for the advance made in the method of selecting the layer. For years past he has been advocating, "Select on type, type, type, type". On the Government State Poultry Experimental Farms, he has steadily advanced the quality and altered the type. By his advice and assistance, the farmers of this country are steadily but surely improving their flocks, in which the White Leghorns are to be found in much greater proportion than any other fowl. Mr. Browne, unlike many egg producing specialists, never loses sight of breed points, in this he has my admiration. I see no reason why in the production of the heavy layer, we should sacrifice breed points; most of the New Zealand breeders are now recognizing the necessity of this factor. I may be pardoned if I mention that to the editor of the New Zealand Poultry Journal, New Zealand poultrymen are under a heavy debt of gratitude—to Mr. J. B. Merrett's untiring energy is largely due the prominence that has been given to the Dominion's White Leghorns and the poultry industry generally. In the face of many difficulties Mr. Merritt has inaugurated the New Zealand poultry association which holds an annual conference, at which all poultrymen of the Dominion may attend if they so desire—by payment of a nominal subscription. In every movement for the advancement of the industry, Mr. Merrett is always found in line, although not confining himself to any one particular breed. I notice the majority of his stock are White Leghorns, which to my mind is a strong indication that in his opinion they are moneymakers. The White Leghorn hen "Prolific" from which my strain has been perpetuated is in this country generally admitted to be a perfect specimen of the New Zealand utility White Leghorn. There are many of similar type in this country.

—o—

SALE OF PARTRIDGE WYANDOTTES

Ideal Poultry Yards, Shllington, Pa., breeders of quality Partridge Plymouth Rocks and Partridge Wyandottes, have decided to dispose of their entire flock of the latter, and in their advertising in this issue of AMERICAN POULTRY WORLD announce a closing out sale of their entire flock. As the flock includes a great many prize winners, a fine opportunity is presented for some reader to secure a fine foundation flock of this variety. They also have some choice Partridge Plymouth Rock cockerels for disposal and while they last will be sold at bargain prices. For further information address Ideal Poultry Yards, Shillington, Pa., and mention this paper.

BLUE ANDALUSIANS

L. C. Taylor & Son, Gibsonbury, Ohio, breeders of Blue Andalusians, R. C. Black and R. C. White, Red Pyle and Partridge Cochin Bantams are now booking orders for eggs from all the above mentioned varieties. Bantams at $3.00 for 12 and Andalusians at $3.00 and $5.00 for 12. Infertile eggs will be replaced if returned, prepaid, within ten days from receipt of shipment. Better drop them a line today and ask for their literature.

—o—

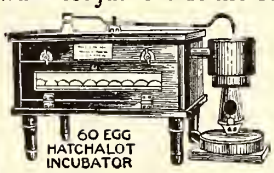
"WHY"

Among the interesting literature issued by the Pittsfield Poultry Farms, Box 276, Pittsfield, Me., is an interesting booklet entitled "Why", that gives much detailed information regarding the noted Pittsfield Strain of Barred and White Plymouth Rocks. Also some concrete facts for the consideration of the prospective poultry raiser. Copies of the book may be had free upon application to the Pittsfield Poultry Farm Co., Box 276, Pittsfield, Me.

Use This Hover In Any Building



You need no special equipment for the International Sanitary Hover. You can use it in a laying house, a colony house, tent, barn, stable, piano box, or even a dry goods box—no platform to build, no holes to cut. To set it up, you simply light the lamp and set it down, and it is ready for instant service anywhere. Weighs 30 pounds, easy to move. Made of metal, and always sanitary. Heavily insulated. Circular—no corners for crowding—and warmest just inside the curtain. Heat radiates from *above*. Capacity 100 chicks—more hovering space than any other hover. **Price $8.50 complete.**



Hatch Chicks Right

The 60-Egg Hatchalot Incubator assures you healthy chicks, with husky constitutions. Large boiler and dependable regulator gives mild, moist, natural heat. Made of clear cypress—built to last. **Price, $7.50.**

Save Money and Work in Feeding

Make your fowls work for their food and save grain and labor by using the 6 in 1 Exerciser Feeder. Fill it in the morning and fowls feed themselves. Large central hopper holds grain that the birds scatter in the litter, by working an agitator. Six other compartments hold dry mash, grit, shell, beef scraps, etc. Always clean; double flange around rim prevents wasting feed. Makes other feeding devices unnecessary. **Price, 40-quart, $4.75; 20-quart, $3.75.**

Send a Postal for Catalogue

full of information of value to every poultryman. Ask, too, for the name of the dealer nearest you. Get the catalogue now.



Hover-Incubator Mfg. Co.

Box 611, **Browns Mills**
New Jersey

Sold by Dealers Everywhere

WINNINGS OF A. P. W. ADVERTISERS AT PITTSBURGH SHOW

JANUARY 19-24, 1914

COLUMBIAN ROCKS—F. G. Bean 1 cock; 1, 2 cockerel; 3, 4, 5 hen; 1, 2 pullet; 1 old pen; 1 young pen.

PARTRIDGE ROCKS—Schenley Heights Poultry Farm, 4 cock; 3 pullet.

WHITE WYANDOTTES—Maurice F. Delano, Owen Farms, I, 4 cock; 2, 6 cockerel; 1, 7 hen; 3, 4 pullet; 1 old pen; 1 young pen. Chas. Cleveland, 3, 4 hen; 1, 7 pullet.

SINGLE COMB RHODE ISLAND REDS—Maurice F. Delano, 1 cock; 6 cockerel; 3 hen; 7 pullet. Schenley Heights Poultry Farm, 4, 8 cock; 1, 4, 7, 8 cockerel; 2 hen; 4, 5, 6 pullet; 2 old pen; I, 3 young pen.

ROSE COMB RHODE ISLAND REDS—Schenley Heights Poultry Farm, 2, 4 cock; 1, 2 cockerel; 1 hen; 1, 2 pullet.

S. C. BLUE ORPINGTONS—Wm. Cook & Sons, I young pen.

S. C. BLACK ORPINGTONS—Hugh A. Rose, 1, 2, 4, 7, 8 cock; 1, 3, 4, 7, 8 cockerel; 1, 2, 4, 6 hen; 1, 3, 4, 5, 8 pullet; 2 old pen; I young pen. Wm. Cook & Sons, 6 cockerel; 4 old pen; 2 young pen.

S. C. BUFF ORPINGTONS—Maurice F Delano, I, 2, 3 cock; 1, 2, 3 cockerel; 1, 2, 5 hen; 1, 3, 5 pullet; 1 old pen; 1 young pen, Wm. Cook & Sons, 3 pullet; 4 old pen.

S. C. WHITE ORPINGTONS— Wm. Cook & Sons, 2 cock; 2 cockerel; 6 old pen. Maurice F. Delano, 1 cock; 1 cockerel; 1 hen; 1, 2 pullet; 1 young pen.

S. C. BLACK MINORCAS—Hilldorfer Black Minorca Farm, 1, 2 cock; 1, 3 cockerel; 3 hen; 1, 3, 8 pullet; 4 old pen; 3 young pen.

R. C. BLACK MINORCAS—Hilldorfer Black Minorca Farm, 3, 4 cock; 1 cockerel; 2, 3 hen; 2, 3 pullet; I old pen.

S. C. ANCONAS—A. E. Wohlert, 8 cockerel.

SILVER CAMPINES—Schenley Heights Poultry Farm, 1, 2 cock; 1, 2, 4 cockerel; 1, 2 hen, 1, 3 pullet; 1 old pen; 1 young pen.

GOLDEN CAMPINES—Schenley Heights Poultry Farm, 1 cock; 1, 2 cockerel; 1, 2, 3 pullet; 1, 2 young pen.

—o—

MATING LIST FOR 1914

Since Maurice F. Delano acquired the ownership of the noted Owen Farms he has reduced the stock kept to five of the more popular varieties as follows: Buff Orpingtons, White Orpingtons, White Plymouth Rocks, White Wyandottes and S. C. Rhode Island Reds. Copy of his mating list for 1914 has just reached us. When we say that it takes 75 pages to describe the one hundred breeding pens Mr. Delano has mated for the coming season, one may gain a good idea of the magnitude of the breeding operations as conducted upon this noted farm. Besides the mating list Mr. Delano issues a beautiful catalogue, both of which will be sent free upon application if this paper is mentioned.

—o—

VINCENT'S BUFF ROCKS

The mating list of Vincent's Buff Rocks for the season of 1914, is now ready for distribution, and will be mailed free to all who make request to J. H. Vincent, Hazelton Pa., and mention AMERICAN POULTRY WORLD. Vincent's Buff Rocks have been winning their share of the prizes at leading shows for several years, but never have they demonstrated their quality to the same extent as they did during the past season. Their record for 1913 includes such exhibitions at Allentown, Hagerstown, Central Palace, Philadelphia, Madison Square Garden and Scranton. We are advised that Mr. Vincent has a choice lot of cocks, hens, cockerels and pullets for sale and he will be pleased to hear from all readers interested in better Buff Rocks.

VIERHELLER'S BUFF ROCKS

Seven first prizes and one second prize male birds will head eight breeding pens of the Sunburst strain of Buff Rocks, as originated and bred by Vierheller Bros., 71 Sylvania Ave., Pittsburgh, Pa. The Sunburst Buff Rock strain is called a blue ribbon strain because of the many first prizes that have been won at prominent poultry exhibitions. At the National Buff Rock meeting in Cleveland, December 3-7, 1913, in a large and strong class of Buff Rocks, Vierheller Bros., entries won more blue ribbons than all competitors combined. Their prizes included first pen, first cockerel, first pullet, special for best display and the Buff Rock Club's National Crampionship cup, for best cock, hen, cockerel and pullet.

In a class of 300 birds at the National meeting of the Buff Rock Club at Springfield, Ill., January 6-13, 1913, Messrs. Vierheller's entries won 1st and 3rd pen, 1st pullet, 2nd cockerel, 3rd cock and a championship cup for best cock, hen, cockerel and pullet. Messrs. Vierheller do not sell baby chicks, but are offering hatching eggs at remarkably low prices, quality considered. They have eight breeding pens for the coming season and will sell eggs $3.00 per sitting and up. Their eight page mating list is illustrated with reproductions of their prize winners and contains a description of their 1914 mating list. Every person interested in Buff Rocks should send for a copy. Please mention A. P. W.

—o—

ROYAL BLUE BARRED ROCKS

Persons interested in that popular variety, Barred Rocks, should send for a copy of the well illustrated mating list that is being sent out by A. C. Hawkins of Lancaster, Mass., describing his Royal Blue Strain. Mr. Hawkins originated the Royal Blue strain 35 years ago. Since then Royal Blue Barred Rocks have been winners at the largest and best shows in America as well as in foreign countries where they have won in the hands of Mr. Hawkins' customers.

Mr. Hawkins writes that his this year's matings are the finest that he has ever had and that he is prepared to take care of orders for eggs for hatching and baby chicks. In addition to exhibition stock, he is offering eggs and chicks from stock bred for utility. All of Mr. Hawkins' breeders are the result of careful selection and generations of careful breeding. Barred Rock buyers should send to him for a copy of his mating list before placing their orders.



AUTOMATIC SANITARY TRAP-NEST

Made of sheet metal, sanitary, vermin proof, durable. No strings or springs. Accurately selects good layers from drones and non-layers. Requires no time, attention or removal of hen. Automatically re-sets, operated exclusively by the hens. Saves time, care, labor and feed. The best is the Cheapest. Price $3.50. Discount to Agents. Free Booklet. Address:

AUTOMATIC SANITARY TRAP NEST CO., Duluth, Minn.

FISKE'S SINGLE COMB WHITE LEGHORNS

The World's Best Breeder of Exhibition Pen Single Comb White Leghorns, winning at **Boston, 1914,** First and Second Pens, on two entries, at the **Grand Central Palace, 1913,** First and Fifth Pens at **Madison Square Garden, 1913,** Second and Fifth Pens. At **Madison Square Garden, 1912-13,** I won First and Fourth Pens. My winning at **Buffalo, 1913,** has never been equalled for I won every prize in the Single Classes, First and Second Pens and all Specials. Beauiiful Breeding and Exhibition Cocks, Hens, Cockerels and Pullets for sale at prices to fit the rich or poor. Besides being Show Birds, these birds are the Greatest Layers on Earth. **EGGS** from the finest of **Exhibition Matings** in the World, $1.00 aplece. **EGGS** from the **Greatest Laying Females** ever seen, $10.00 per hundred, $80.00 per thousand. Baby Chieks by the hundred or thousand. Send for my catalog at once.

Single Comb White Leghorns and Nothing But Single Comb White Leghorns.

HARLO J. FISKE

Box No. 1, 891 Westfield St., W. Springfield, Mass.



We Want to Send You Our 1914 CATALOG

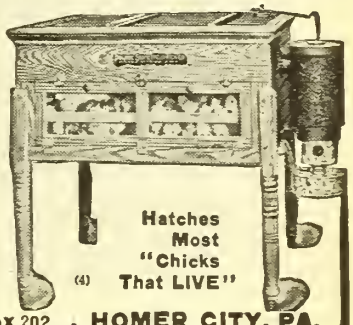
JUST CUT! A big, valuable book of 112 pages describing the many exclusive features which are not found in other machines and which have made Prairie State Incubators famous the world over for hatching the largest numbers of chicks that live. For thirty years

Also contains about 60 pages of Valuable Information for Poultry Raisers.

PRAIRIE STATE

Incubators and Brooders

have maintained the lead as the most successful, efficient and economical machines. They are used and endorsed by leading Agricultural Colleges and the big men of the poultry raising business. The patented Prairie State Moistened Sand Tray and the "eddy current" system of heat circulation, provide ideally natural conditions for the hatching of strong, vigorous **chicks that live.** Before you buy any incubator send for this free book and learn all about these wonderful machines. See for yourself why the leading experienced poultrymen — the ones who are at the top — prefer Prairie State machines to all others. Beginners will be particularly interested in our new Keystone Model which sells for only $9.00 and up.



Write Your Name on a Postal

and ask us to send you our 1914 catalog. In addition to describing the Prairie State machine, it contains about 60 pages of valuable information on poultry raising. For example it tells **Which breed is best? How to feed, rear and breed: How to treat diseases; How to grow green winter food: How to build poultry houses,** etc., etc. Many tell us this book is easily worth $1.00. A postal brings it to you **FREE** and postpaid. Write

PRAIRIE STATE INCUBATOR CO., Box 202 , HOMER CITY, PA.



John S. Martin's White Wyandottes (Regal Strain) have been such consistent and insistent winners at the leading shows of America that they are reckoned one of the very topmost among the leaders. Their great win at Boston in what is generally conceded to be the strongest White Wyandotte exhibition in America gives Mr. Martin some right to the claim of championship honors. These Wyandottes are not only able to hold their own in any show in the country but each specimen shows good bone and is remarkably strong and vigorous. All of which is vitally necessary and desirable for the profitable production of poultry whether for fancy or utility.—Louis Paul Graham.

$7.16 PROFIT PER HEN IN LAYING CONTEST

WINNING PEN MAKES ABOVE LESS COST OF LABOR. POOREST PEN HARDLY PAYS COST OF FEED. MISSOURI PEN OF BUFF ORPINGTONS WINS FOR MONTH OF FEBRUARY. THE TWO LEADING HENS TIE, AND AVERAGE 25 EGGS EACH FOR THREE MONTHS. HATCH EARLY

If pullets are intended for an egg laying contest or are expected to be good winter layers they must be hatched reasonably early. This applies to all varieties. If you can so arrange your hatches so the pullets will mature and begin to lay in October and November, they will continue throughout the winter as a rule. This has been our experience with our own stock and with those entered in the egg laying contests for the past three years. If your pullets are going to win or make a creditable record they must lay some winter eggs, and if they don't begin to lay in October or November the chances are they will not lay much until towards spring. Some may, but the majority will not. If your pullets are to lay eggs in winter when eggs are highest, they must be hatched early. A pen that lays well in fall and winter will net you more profit than one that lays most of its eggs in spring and summer when eggs are cheapest. If you intend to enter any stock in a laying contest next fall, you had better hatch a few pullets at once if you have not already done so. This experiment station expects to hatch all of its chickens before April first, and hatched over 4,000 youngsters in January and February this year and the per cent. of mortality has been very low. One of the best Leghorn farms in this country never hatches anything after April 15th. If you intend to raise poultry it behooves you to try to get all out of it that there is in it. If you are not equipped to hatch a few early chickens it will pay you to purchase a 120-egg or larger incubator and brooder. The best time to hatch Plymouth Rocks, Wyandottes, Orpingtons, Reds, Langshans and similar varieties, is in January, February, March and April. The best time for Leghorns, Anconas, Campines and such varieties is March and April. This is especially true if you want to win at the fall fairs and shows and expect many winter eggs.

A Missouri pen carried off the honors in the big laying contest this month. It was a Springfield, Mo., pen No. 32, Buff Orpingtons, and laid 205 eggs. The pen of White Leghorns from England still leads all others by 109 eggs. The highest individual record thus far has been made by a White Wyandotte from Pennsylvania and a Buff Rock from Missouri, each laying 74 eggs. The average for all hens for the entire three months is 29 eggs. The two leading hens have laid nearly three times as many eggs as the average hen in this contest and have laid as many eggs in the three winter months as the average Missouri farm hen lays in a whole year. The total number of eggs laid by the 1040 hens this month was 12,391, which makes a grand total of 29,613 eggs for December, January and February.

In order that you may have some idea as to what the hens have done for the past three years, we give below their averages for this time:

Year	Dec.	Jan.	Feb.	Total Average
1912..	8	5	10	23 eggs per hen
1913..	8	10	12	30 eggs per hen
1914..	7	10	12	29 eggs per hen

The low average of five eggs per hen in January, 1912, was caused by the unusually hard winter we had at that time. The reason the average was less in December, 1914, than in previous years was because of the fact that the last contest started in December and the hens were not accustomed to their quarters, change of feed, and climate. Some of the foreign birds did not arrive until late in the month. The average for January and February the last two years has been the same. If you can nearly double your flock and still keep up your average, you are making some progress.

COST OF FEEDING LAYING HENS

The hens in the last contest laid about twelve dozen eggs each on the average which, if sold for 25c per dozen, equals $3.00. The hens ate about 33 lbs. of grain each and 38 lbs. of dry mash. The feed cost on the average about 2c per pound. This made the cost of feeding each hen ap-

BABCOCKS BABY CHICKS



WHITE ROCKS S. C. WHITE LEGHORNS WHITE INDIAN DUCKS
CAPACITY 100,000 ANNUALLY
Vitality Baby Chicks and Ducklings $10 per hundred and up.
Eggs $5 per hundred and up. Fine illustrated catalogue free.
BABCOCK POULTRY FARM, Box W, FREDONIA, N. Y.



BEAN'S COLUMBIAN ROCKS WIN



CHAMPIONS EVERYWHERE

Buffalo Show, November 24-29, 1913—1-2-3-4 cock, 1-2-3-4 hen, 1-3 cockerel, 1-2 pullet, 1 pen.

Palace Show, December 2-6, 1912—1-4 cock, 1-2-4 hen, 1-3 cockerel, 5 pullet 1, pen.

Columbian Rocks are "Comers" everybody is pleased with them. They are quick growers, grand winter layers and very hardy. I can furnish your requirements in exhibition birds or breeding stock at prices that will astonish you. Write for descriptive circular. Am now booking eggs from the best matings in America.

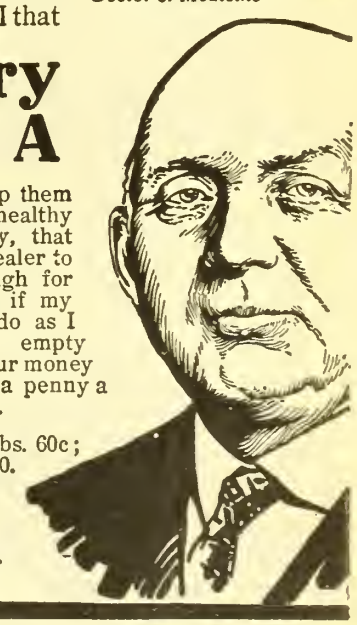
F. G. BEAN, COLLEGEVILLE, PENNA.

Save All Your Chicks

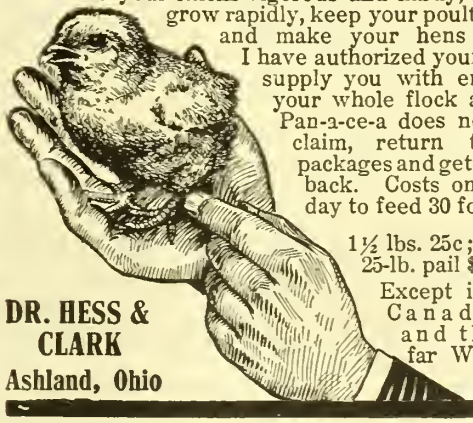
More than half the yearly hatch die through Gapes, Leg Weakness and Indigestion. I can save most of this loss for you. So sure am I that

GILBERT HESS
Doctor of Veterinary Science
Doctor of Medicine

Dr. Hess Poultry PAN-A-CE-A



will make your chicks vigorous and hardy, help them grow rapidly, keep your poultry healthy and make your hens lay, that I have authorized your dealer to supply you with enough for your whole flock and if my Pan-a-ce-a does not do as I claim, return the empty packages and get your money back. Costs only a penny a day to feed 30 fowl.



1½ lbs. 25c; 5 lbs. 60c; 25-lb. pail $2.50.
Except in Canada and the far West.

DR. HESS & CLARK
Ashland, Ohio



The record made each year at Madison Square Garden by D. W. Young's S. C. White Leghorns is ample evidence of their quality and how closely they approach the ideal. His record of first cock, first cockerel, first pen and several minor prizes at the last Garden show is little short of remarkable. The first prize cock is shown in the above picture.

proximately $1.42. This left a profit of $1.58 per hen to pay the expense of labor and other expense incurred. Twenty-five cents per dozen is a very conservative price to put on selected and guaranteed strictly fresh eggs. The best pen of hens laid 2,073, or an average per hen of 17¼ dozen, at 25c equals $4.31, or at 50c per dozen would have equaled $8.62 per hen. Each of these hens ate $1.46 worth of feed, which left a profit of $2.85 at a low estimate, or a profit of $7.16 per hen if the eggs had sold at 50c per dozen. The poorest pen in the contest just laid enough eggs to pay for their feed and left nothing to apply on labor. There are many such hens in existence, One-half of the hens in existence are kept at a loss. How to make them profitable is the problem.

The best record made thus far by representatives from the different countries is as follows:

White Leghorns made best English record, 610 eggs.
Buff Orpingtons made best United States record, 501 eggs.
S. C. Reds made best Missouri record, 466 eggs.
White Leghorns made best New Zealand record, 341 eggs.
White Leghorns made best Vancouver Island record, 322 eggs.
White Leghorns made best British Columbia record, 309 eggs.
White Wyandottes made best Ontario record, 301 eggs.
White Leghorns made best Australian record, 278 eggs.
White Leghorns made best South African record, 216 eggs.

The poor showing made by some of the foreign pens is due entirely to the poor condition of the pens at the time they were received, caused by the hardship and length of time in shipping and the severe changes in climatic conditions. One of the New Zealand pens had to be removed from the contest and all suffered greatly. The same was true with the Australian and South African pens. It is only justice to them that we make this explanation.

NATIONAL EGG LAYING CONTEST

The 600 hens in this section of the contest have made the highest average per hen thus far of any of the contests for the past three years. They laid 8,187 eggs and their average per hen for the three months was 33 eggs each.

The ten highest pens in this test are as follows:

Pen 0, S. C. White Leghorns, England, 610 eggs.
Pen 36, Buff Orpingtons, Texas, 501 eggs.
Pen 47, S. C. Reds, Missouri, 466 eggs.
Pen 5, Anconas, Missouri, 443 eggs.
Pen 34, White Orpingtons, Ohio, 434 eggs.
Pen 1, Buff Leghorns, Missouri, 433 eggs.

For High Quality BARRED ROCKS at Moderate Prices
My birds will be mated January 1st and after January 10th I will have eggs for hatching.
Write C. H. BOSCHEN, ASHLAND, VA.

JNO. M. SESSIONS, Breeder and Exhibitor of *Buff, Black White, and Partridge Cochin Bantams also Black Rose Comb Bantams*
Winners at Hanover, Allentown, Hagerstown, Paterson, Grand Central Palace, Philadelphia, Madison Square Garden and Baltimore. First year showing. Stock and Eggs for sale.
Yards, Pikesville, Md., Office. 28 Market Place, Baltimore, Md

UNDERWOOD'S HOUDANS

Winners New York, Chicago-Philadelphia, Buffalo, Rochester, etc. The Ideal Breed for small yards. Correspondence solicited. Circulars free.
J. A. UNDERWOOD
Box D, Penn Yan, N. Y.

S. C. Brown Leghorns
Our strain is famous the country over for the splendid size, handsome color and shape, and *wonderful winning qualities*, at such important shows as—Madison Square Gardan, Chicago, Kansas City and many others; defeating all Eastern breeders. Send for *free* Illustrated Circular "Twenty-Eight Years With S. C. Brown Leghorn".
Williams Bros. & Brace, Fullerton, Calif

Morgan's Black Langshans and Rose Comb White Leghorns
Exhibition aud utility stock for sale. Write for my free price list.
Morgan Bros., Dept. 4, W. Alexander, Pa

Myers' Madison Square Garden, New York, Philadelphia and Hagerstown Winning Line of
BARRED PLYMOUTH ROCKS
The Pullet Breeding Line. **Winning at Madison Square Garden, New York, December, 1913,** 1st and 5th Hen, 2nd and 3rd Pullet, 3rd Exhibition Pen, Champion Female in Barred Rocks. **Winning at Philadelphia Show, December, 1913,** 1-3-4-5-6 Hen, 1-3-5-6 Pullet, 1-3-4-5 Pullet Bred Male. 1st Pen to produce Exhibion Female, Champion Hen of Show, all breeds competing, Special for Best Display, Color Special. Breeding Stock and Eggs for sale. Ask for Catalog.
C. N. MYERS, Box B, HANOVER, PA.

THE S. C. W. LEGHORN CLASS AT MADISON SQUARE GARDEN
this year, was the largest on record, and in a hot competition of 15 pens, we won 3rd PEN, also Laurelton SILVER CUP FOR NEW EXHIBITOR WINING MOST POINTS, also D. W. Young SILVER CUP FOR BEST DISPLAY. We are improving right along on the famous Pine Top birds, and if you want honest treatment and some of the best stock obtainable, write, or visit our plant, if convenient. We have for sale at a sacrifice, 200 hens, 100 cockerels, 200 pullets. Everyone of these birds are strong and vigorous and wonderful layers, besides being of the same blood-lines as our winners. We GUARANTEE every bird. Eggs from best matings, $5.00 per setting.
OVERLOOK POULTRY FARM, E. C. Landers, Prop., WHITNEY POINT, N. Y.

Pen 38, White Orpingtons, Pennsylvania, 429 eggs.
Pen 24, White Wyandottes, England, 421 eggs.
Pen 55, Buff Plymouth Rocks, Pennsylvania 419 eggs.
Pen 51, White Plymouth Rocks, Arkansas, 409 eggs.

White Wyandotte hen, No. 181, from Pennsylvania, was one egg ahead of Buff Rock hen No. 524 from Missouri, last month. This month they tied with 74 eggs each to their credit or an average of nearly 25 eggs each for the first three months.

NATIONAL UTILITY CONTEST

The 160 hens in this test laid 1,908 eggs or an average of nearly 11 eggs per hen. These hens made a big gain this month over what they did in previous months. They laid more eggs in 28 days in February than they did in both December and January combined.

The ten highest pens in this experiment are as follows:

Pen 92, S. C. Red, Pennsylvania, 433 eggs.
Pen 80, Barred Plymouth Rocks. Michigan, 372 eggs.
Pen 95, S. C. Reds, New Hampshire, 293 eggs.
Pen 85, Barred Plymouth Rocks, Texas, 287 eggs.
Pen 88, White Orpingtons, Kentucky, 247 eggs.
Pen 99, White Wyandottes, Arkansas, 230 eggs.
Pen 94, S. C. Reds, Ohio, 230 eggs.
Pen 90, White Orpingtons, Missouri 228 eggs.
Pen 93, S. C. Reds, New York, 225 eggs.
Pen 89, White Orpingtons, Missouri, 194 eggs.

White Orpington hen No. 888 from Kentucky, has laid 63 eggs and made highest record for this test. Hen 929, S. C. Red from Pennsylvania, is second with 61 eggs to her credit.

NATIONAL SINGLE COMB WHITE LEGHORN CONTEST

At the close of the month these hens were laying on the average about 50 per cent production, or the 280 hens were laying about 140 eggs per day. At this rate they will lay nearly as many eggs in March as in the three previous months. The Leghorns have been a mystery. They have bright red combs, are active and happy, have consumed a lot of feed, but have never laid as they should. The same has been true with all Leghorns for the past three years during our winter months. The English pen has been the exception. Most of the Leghorns moulted this winter and four pens of foreign Leghorns were immature and just now ready to lay. We expect the Leghorns to lay from now on while the other larger breeds are broody. These hens laid 2,296 eggs in February, or an average of over 8 eggs per hen. The ten highest pens in this experiment are as follows:

Pen 79, S. C. White Leghorns, Pennsylvania, 414 eggs.
Pen 70, S. C. White Leghorns, Missouri, 355 eggs.
Pen 65, S. C. White Leghorns, Missouri, 354 eggs.
Pen 77, S. C. White Leghorns, Vancouver Island, 322 eggs.
Pen 69, S. C. White Leghorns, Kentucky 315 eggs.
Pen 61, S. C. White Leghorns, Nebraska, 311 eggs.
Pen 64, S. C. White Leghorns, British Columbia, 309 eggs.
Pen 71, S. C. White Leghorns, Missouri, 290 eggs.
Pen 67, S. C. White Leghorns, Missouri, 258 eggs.
Pen 80, S. C. White Leghorns, Missouri, 250 eggs.

The highest individual record in this experiment was made by a Leghorn pullet, No. 702 from Missouri, and she has laid 59 eggs to date. Hen No. 611 from Nebraska, is second with 58 eggs to her credit.

* * * **A dollar saved is a dollar earned. Earn a dollar by sending your order for magazines to us** * * *

PAYNES' ROSE COMB REDS

Payne Bros. R. C. Reds are fully described in their 1914 mating list which consists of 16 pages and cover and is now ready for mailing. The quality of Payne Bros. Rhode Island Reds is well known to our readers and for the benefit of others wish to say that these birds are usually among the winners wherever shown. At the recent Garden show in competition with the leading breeders of the country and in one of the best classes ever shown at this great event they were awarded first prize pen, also third hen. Besides their Garden exhibit, they also exhibited at many other important shows and their record for the season is a worthy one. It is given complete in the mating list. All interested in Rhode Island Reds would do well to secure a copy of this booklet to be sent free to all readers that will mention A. P. W. when writing.

* * * **How to feed and care for baby chicks is told in a comprehensive manner in the "Chick Book." Fifty cents secures a copy** * * *

CLOSING OUT SALE --- Having decided to breed PARTRIDGE ROCKS Exclusively we will close our entire flock PARTRIDGE WYANDOTTES, including many prize winners. **A bargain for some one.** A few choice **Partridge Rock Cockerels** also at bargain prices. Eggs for hatching from the finest matings we ever bred. If you want quality, write
IDEAL POULTRY YARDS, Box W. SHILINGTON, PA.

TOLMAN FRESH AIR STRAIN
WHITE PLYMOUTH ROCKS
BABY CHICKS and EGGS FOR HATCHING
The kind that **live and give results.** Over 80 per cent of his **old customers** ordered from **Tolman last year.** Book your **order early.** Circular and price list **free.** P. O. Address
JOSEPH TOLMAN, Dept. G, R. F. D. No. 1, ROCKLAND, MASS.

ABERNETHY'S HOUDANS

BRED FOR QUALITY NOT QUANTITY
Winners of 1st Hen, 1st Pen at the Great Boston Show, Jan. 1914. We breed our winners and sell eggs from our best, Write your wants.

JAS. ABERNETHY, Box W, WEST PEMBROKE, ME.

VINCENT'S BUFF ROCKS
Have proven their quality the past season by winning at Allentown, Hagerstown, Central Palace, N. Y., Philadelphia, Madison Square Garden, Scranton and other leading shows.
LOOK UP THEIR WINNINGS
A choice lot of cocks, hens, cockerels and pullets for sale. Satisfaction guaranteed. Write for mating list.
JAMES H. VINCENT, HAZELTON, PA.

"O.K." Poultry Litter
TRADE MARK
Is cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings or anything else ever thought of for litter.
"O. K." KEEPS THE BROODER CLEAN DRY SWEET
WITHOUT ONCE CLEANING OUT.
Can you imagine the comfort, convenience and time saved running your brooders like this? Remember, one lot of "O. K." Litter lasts until the chicks have outgrown the brooder without once cleaning out. In COOPS, LAYING HOUSES, COLONY HOUSES and SCRATCHING PENS, "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in three or four months.


"O. K." Litter will NOT BURN. Lice will not come where it is used. **TELL US HOW LARGE YOUR HOUSE IS—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.** Write today for
FREE Sample of "O. K." and New Poultry Book. You need them both.
O. K. COMPANY,
Dept. 172, 157 Water St., NEW YORK CITY
"O. K." Trade-Mark is on every bale of genuine.

THE EVERLAY FARM

A PIONEER AMONG WHITE LEGHORN FARMS IN NEW ENGLAND

That section of the United States known as New England has gained distinction in the poultry industry and has long been referred to as "the cradle of the poultry industry of America." This section has also established a preference for brown eggs and the varieties of poultry that lay them. In direct contrast to New York, the leading market of the United States, the New England markets demand and pay a premium for brown shelled eggs. These facts were well known to J. H. Lord, proprietor of Everlay Farm, Methuen, Mass., when he decided to breed White Leghorns exclusively, but as Mr. Lord had had long experience in poultry raising, he believed that as a money making proposition, the White Leghorns were the peer of all breeds where the poultry business is to be conducted upon an extensive scale. He also believed that the brown egg was no better than the white egg and if the trade could once be induced to give the white eggs a trial that they would learn from experience that their preference for brown shelled eggs was not well founded.



Pullets on free and unlimited range at Everlay Farm, Methuen, Mass. Bred for constitutional vigor they are quick growing and develop into profitable producers of choice white eggs.

With this in mind he started about to establish an extensive Leghorn farm at Methuen, Mass., which is located between the cities of Lawrence and Lowell about 26 miles north of Boston. The farm is situated on the south side of a hill overlooking the Merrimac River, and is considered one of the most ideal places for a poultry farm in the North East. The entire farm has a south and southeast slope with pitch enough to insure the best of drainage. The buildings are substantially yet very economically built and the entire farm is devoted to White Leghorns as Mr. Lord depends entirely upon the poultry business for a living

Published herewith are two views, one showing the pullets on free and unlimited range and the other giving a view of the interior of a 16 x 18 ft. breeding house. That there is no lack of health and vigor in the flock is at once apparent when one examines these views closely. This is one point Mr. Lord has always kept in mind as he has learned from experience that to reach the highest degree of success, stock must be vigorous and healthy.

Speaking of the "Everlay" Strain Mr. Lord says: "The 'Everlay' Strain of White Leghorns is first a utility strain. It must have intrinsic value aside from exhibition purposes. Our stock must be good layers of the right kind of eggs, first, last and always.

"The Everlay Strain secondly is a beauty strain. We are breeding for standard points just as much as any fancier, but the difference between our stock and the big fanciers is that we select our fancy stock from our utility birds instead of breeding our utility birds from our fancy stock. The first consideration with us is standard size, good health and good layers of medium white eggs."

This will give a very accurate idea of the type of White Leghorns that is being bred on Everlay Farm and what Mr. Lord has accomplished may be duplicated by others in almost any section of the country. He issues a beautifully illustrated 60 page catalogue that gives a detailed description of the farm and stock and the Everlay methods of doing business. It also gives prices on eggs for hatching, baby chicks and breeding stock. It is a book that must not be confused with



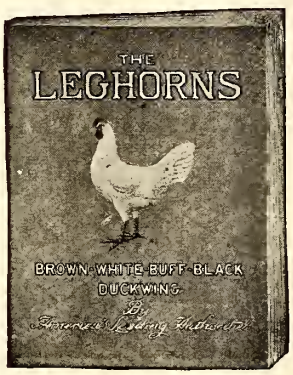
A colony of breeding birds at Everlay Farm, Methuen, Mass. Health and vigor and the ability to produce eggs in profitable numbers are the first essential of the birds used as breeders at this farm.

THE

LEGHORNS

Standard and Non-Standard Varieties

Most Complete Text Book on the Popular Leghorn ever Published



THIS NEW AND GREATLY ENLARGED EDITION, thoroughly revised and brought down to date, consists of 144 large pages and cover. It tells how to select and mate birds for the breeding pen; how to judge Leghorns in the show room; and how to feed for heavy egg yield and fast growth. Some of the great commercial Leghorn egg farms described and illustrated.

Edited by
J. H. DREVENSTEDT,
Breeder and Judge of twenty-five years' experience and member of Standard Revision Committee of 1898, 1905 and 1910.

This new book contains chapters on the following subjects:

"The Leghorn Fowl"—History of origin and development of Leghorn shape, Standard shape, etc. "Leghorn Type"—Evolution of shape, etc. "Brown Leghorns"—Color breeding, virtues and faults, progress, present Standard, etc. "White Leghorns"—All about them. "Buff Leghorns." "Black Leghorns." "Leghorns in England." "Judging Leghorns." "Commercial Leghorn Farms."—Feeding for best results.

Two Color Plates by F. L. Sewell

These picture ideal White Leghorns and the true colors of Brown Leghorn feathers—invaluable to Leghorn breeders.

Price $1 postpaid or $1.25 including yearly subscription to AMERICAN POULTRY WORLD. Mailed FREE for four yearly subscriptions to A. P. W. at 50 cents each.

American Poultry World,

158 Pearl Street, BUFFALO, N. Y.

the ordinary catalogue as it is one that contains a vast amount of reliable information and one that may be laid aside for future reference. Any reader of this publication who is interested in successful poultry raising can secure a copy of this catalogue upon application if they will mention AMERICAN POULTRY WORLD.

NORFOLK, VA., SHOW.

The show held by the Tidewater Poultry Association of Norfolk, Va., is not only credit to the association, but to the City and State of Virginia, and the praises from both exhibitors and visitors will place Norfolk in the lead for poultry exhibits of the south.

The show was held in the Fergus Reid Building on Granby Street, Norfolk's leading business thoroughfare, and was a place of attraction during the show week. The building is finished in white, making it an ideal place to show birds, and the cooping was arranged to perfection by Spratts Ltd.

After all the benches were placed and the coops arranged an attractive display was made by placing white muslin all around the benches, hanging down to the floor, thus hiding all the shipping coops placed under the benches, and providing means for quick handling of the birds before and after the show.

Nearly thirteen hundred birds were entered, and every class was hard fought as every one wanted one or more of the fifty beautiful cups that were given. It was a great pleasure to see the great interest shown by the ladies, both visitors and exhibitors. One lady entered some of the best Black Langshans you would care to see, and carried off three firsts, one second and two thirds in a class of eighty-six. Langshans must be on the boom.

Barred and White Rocks were well represented, and the judges were a long time in these aisles. The hot fight of the show came when the judges entered Red Alley, to struggle with one hundred and eighty-one Reds and all of quality. This was some work for Nixon and Huyler, who stated that the majority of the birds entered in all classes could have a chance in any of the largest shows in the country, and a winner of any one of the ribbons in most of the classes was a lucky fellow.

BONNIE BROOK CATALOGUE

One of the finest catalogues we have seen in many days is the one issued by the Bonnie Brook Poultry Farms, Saratoga Springs, N. Y. It is printed in two colors on highly calendered paper and is profusely illustrated with excellent views of the plant and stock. In fact it is one of the most artistic pieces of printing that has come to our notice in some time. L. C. Bonfoey is now in charge of the poultry at this plant and the varieties specialized in are S. C. White Leghorns and White Plymouth Rocks. At the recent Boston show they were successful in winning several prizes in each variety. Better send for a copy of their catalogue today, it's free, if you mention A. P. W.

RELIANCE INCUBATORS

The Reliance Incubator Co., Box C4, Freeport, Ill., are issuing a large folder describing the Reliance Incubators and Brooders and quoting special prices; for illustration, their No. 1 machine with a capacity of 70 eggs is quoted at $3.90, or with a brooder included, for $6.50. Several other such attractive offers are to be found in this folder and also the testimonials of many satisfied purchasers from different sections of the country. Better drop a card for copy today and do not fail to mention this paper.



One of the breeding houses at Mt. Pleasant Farm, Mt. Pocono, Pa., specialists in the production of heavy laying, vigorous S. C. White Leghorns. Mt. Pleasant Farms are now shipping eggs for hatching and day-old chicks to all sections of the country. They have an interesting little booklet describing their stock, and methods of doing business, that will be sent free to readers of American Poultry World.

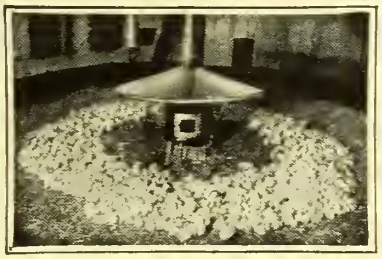
* * * Are you a beginner? If so you should have a copy of "Successful Poultry Keeping." Tells you how to succeed. One dollar the copy * * *

* * * "The Orpingtons." All varieties fully described in this complete and attractive book. Seventy-five cents secures a copy * * *

O. L. HILL, Originator and Breeder of "Eclipse" White Wyandottes **SHELBURN, IND.**

If you want quality in White Wyandottes, you should buy the "Eclipse" White Wyandottes direct from the originator. They are large massive birds and always win in the showroom and breeding pen. My birds are all line bred and trapnested, thereby insuring the best results. Write me your wants and I will send you my prices and catalogue giving full description of my stock. We also breed a fine line of *Black Cochin Bantams.*

PETALUMA BROODER STOVE



NIGHT SCENE

Raises more and better chicks. Saves 90 per cent. of the labor. The MODERN WAY o BROODING. FRESH AIR and ECONOMY combined. No crowding; no chilling; no overheating. AUTOMATIC CONTROL. Free Catalogue.

PETALUMA BROODER STOVE WORKS,

DAYTON, OHIO and HAYWARD, CALIF

HAVE YOU HAD BAD LUCK WITH YOUR CHICKS?
IF SO, DON'T GET DISCOURAGED—BUT TRY

Spratt's Chick Meals Nos. 5 and 12

— AND —

Spratt's Chicgrain

Then compare the condition with those fed in any other way.

These foods, if fed according to directions, will reduce the percentage of mortality to a minimum and will pay for themselves many times over in a single season.

Write for samples and send 10 cents for "Poultry Culture". "Pheasant Culture" sent on receipt of 25 cents.

SPRATT'S PATENT LIMITED

Factory and Chief Offices at NEWARK, N. J.

HATCHING BY THE NATURAL METHOD

By Alexis L. Clark

(Continued from page 445)

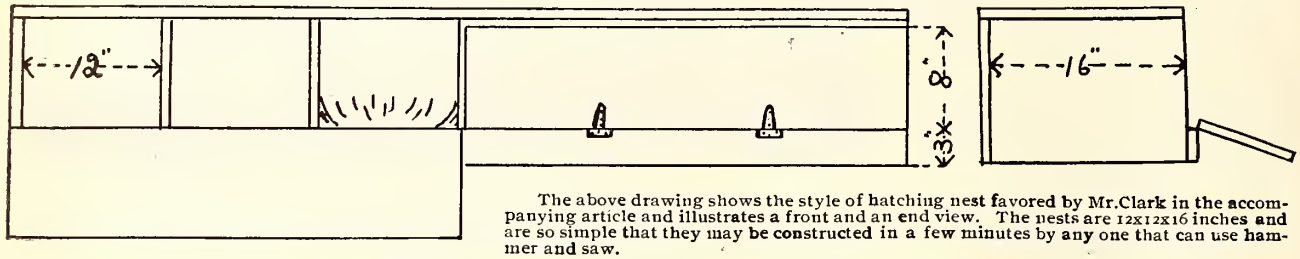
be no bottom and the top can be made of a long board laid on after the racks are in place and the nests made. On the bottom of the front a three inch strip can be nailed on and the rest of the front covered with an eight inch board hinged to the three inch strip. When the hens are on the nest the eight inch board is fastened up, closing the hens each on its own nest and allowing an inch air space near the top. By dropping this board all the hens are allowed their freedom. The front board can be made in sections so as to cover only one or two nests, if it is desired to let different hens off at different times, or in case of the hens in the same row are due to hatch when others are not.

CHANGING BIDDY AND HER CARE

Sitting hens should be changed at night. By careful handling nearly all hens that really show a desire to sit can be induced to change their nests without "breaking up". The hens should be well dusted with a good lice powder before they are transferred. A few china eggs can be placed in under each her for a day or two before trusting good hatching eggs to her care. The box should remain closed for two or three days after the change to allow the hens to become thorughly accustomed to their new home. Let them off each day about a half hour before sundown, so that the darkness will drive them on to their nests. The first time or two some of them will bother about going back to their nests, but a little patience will convince them that they are in the care of friends and after they once form a habit of coming off as soon as the door is let down and going back in ten or fifteen minutes they will seldom give little more bother. Whole corn, clean water and a dusting bath are all the necessities of hens while sitting. Buildings with no floor save earth or gravel, serve admirably for sitting hens in. The avoidance of everything tending to excite the hens will be found to be a strong factor in giving satisfactory results from hen hatching.

AT HATCHING TIME

The very frequent habit of removing the chicks as soon as they hatch is poor policy. The hen is more easily excited and disturbed at hatching time than at any other, consequently complete quiet and isolation are best. If several hens are hatching at the same time nearby, or some are hatching and others are not, the nests where hatching is going on should be darkened, thus quieting the chicks, quieting the mother and soothing the nearby hens which sometime become very much disturbed. When it is thought the hatch is entirely over the hen should be quietly lifted off the nest and held firmly in a normal position in the arms, the chicks should be



The above drawing shows the style of hatching nest favored by Mr.Clark in the accompanying article and illustrates a front and an end view. The nests are 12x12x16 inches and are so simple that they may be constructed in a few minutes by any one that can use hammer and saw.

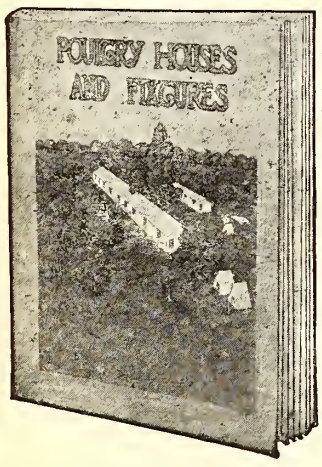
Poultry Houses and Fixtures

SEVENTH EDITION. REVISED AND ENLARGED. DOWN-TO-DATE

STANDARD WORK ON POULTRY HOUSE CONSTRUCTION

James E. Rice, Professor of Poultry Husbandry, Cornell University, Ithaca, N. Y., states: "'Poultry Houses and Fixtures' is the best work yet written on the subject. I shall recommend it to our students as a text book on the subject of poultry houses."

COMPLETE PLANS FOR PRACTICAL BUILDINGS AND EQUIPMENT



PARTIAL CONTENTS OF THE BOOK:

Building a Poultry House: Facts to be Considered by the Poultryman Before Construction. The Influences of Location, Soil and Climate. Full Details of Construction.

Closed Front Houses; A Five-Pen Laying House. House for Laying Hens. Poultry House with Hallway. Double Poultry House. House for City Lot. Cheap House for Small Flock. Continuous Brooding and Laying House. Bills of Materials and Interior Equipment for these Houses.

Scratching Shed Houses: Poultry House and Scratching Shed. House for Southern Breeders. Scratching Shed Colony House. Roosting Room and Scratching Shed. A Tennessee Poultry House. Maine Experiment Station Curtain Front House. Maryland Curtain Front House. Cloth Filled Frames in Place of Glass Windows.

Open-Front Fresh-Air Poultry Houses: Tolman 20th Century Fresh-Air House. California Poultry House. Fresh-Air House for Cold Climate. Open-Front House for City Lot.

Portable Poultry Houses: Sled Runner Colony House. Type of Movable House Used in England.

Exterior Fixtures: Portable Coop at Low Cost. A Good Roost Coop. Piano Box Weaning Coop. Shed for Weaned Chicks. Dry Goods Box Coop. Brood Coops. Crate for Shipping Day-Old Chicks.

Interior Fixtures: Successful Automatic Feeder. Coops for Breaking Up Broody Hens. Nest Boxes. Practical Feeding Troughs. Grit Box. Safety Trough for Chicks. Drinking Fountain for Chicks. Government White Wash, Etc.

THIS BOOK CONTAINS OVER 150 ILLUSTRATIONS

Unquestionably the most instructive and comprehensive work on the construction of poultry houses and appliances that has been compiled to date. Every house and fixture described in this book **is in use on the plant of a successful poultryman;** is simple, labor-saving and reasonable in cost.

PRICE 50 CENTS, POSTPAID

Or 75 cents including a year's subscription to American Poultry World, or will be sent free for two annual subscriptions to American Poultry World at 50 cents each.

American Poultry Publishing Company, Buffalo, N. Y., U. S. A.

placed in a warm lined basket and all conveyed to a coop provided for their convenience. It is supposed by some that it is necessary to remove the chicks from under the hen several times during the "coming off" day. Hens do sometimes step on and crush a chick or two in the nest, but I am sure that in the long run more chicks are lost through the excitability of the mother caused by disturbance, than by natural clumsiness or the "capping over" of unhatched eggs. Where the hens are left entirely alone until the hatch is completed the greatest percentage of live chicks can be expected from strong germs.

CONCLUSIONS—WHO SHOULD HATCH BY HENS?

Small poultry raisers who only desire to raise a dozen or two chickens will find the natural method advisable. Large growers who have some special matings and desire to hatch the eggs under the best conditions and to have the chicks raised under perfect environment, can not do better, perhaps, than to use a few sitting hens. These are the factors to bear in mind:

A Good Sitting Hen—Persistency and intelligence are the chief features in such a hen.

A Well Arranged Nest—Quiet location, material well placed and convenience for handling make up this factor.

Regularity in Attendance—Exercising and feeding them every day at the same hour insures success.

LLENROC REDS

Houck & Alt, 87 Fuller St., Buffalo, N. Y., have issued a very attractive 12-page mating list for the season of 1914. This list gives a complete description of Llenroc Reds, together with their winnings during the past season and also a great deal of other information that will be appreciated by the prospective purchaser of either stock or eggs. The front cover contains an illustration of their International Champion number four, pronounced by many as one of the finest Rhode Island Red males of the season. The back cover bears a reproduction of the first prize S. C. Rhode Island Red pullet at the New York State Fair, 1913. Copy of this list should be in the hands of all readers interested in Rhode Island Reds. It will be sent free upon application if you address as above and mention A. P. W.

MAPLEWOOD POULTRY YARDS

"Maplewood", Attica, N. Y., years ago established a reputation for the high quality of its Holstein cattle and Hackney horses, and judging from the progress made in the poultry department of this noted farm, its poultry will be as well and as favorably known. Their catalogue for the season of 1914 has just come to hand and it is one of those well illustrated, interesting little pieces of literature that will be welcomed by all lovers of poultry. The varieties bred at "Maplewood" are Pekin Ducks and S. C. White Leghorns and these are in charge of Harry W. Hayner, who has proven his ability as a thorough-going poultryman and has been the main factor in the successful establishment of the poultry department at Maplewood.

IMPORTANCE OF PROPERLY RAISED BABY CHICKS

It is sometimes said that any kind of incubator will hatch out a baby chick, but it requires the most careful attention as well as the best appliances to brood a baby chick after it is hatched. While incubation is important, and a well hatched chick is easier to raise than a poor one, yet the best hatched chick cannot be grown to the best advantage with poor brooding equipment.

First, the hover must be as nearly like nature as possible. This means that the hover must always be warm, it must be easily gotten into and easily gotten out of, and he air must be pure and fresh. When the chick wants fresh air, it can go out, and when it wants warmth it can go into the hover. Another important factor of a successful brooder or hover is that it must be readily accessible. Cumbersome, complicated brooders are a nuisance, and the attention given them is little and not sufficient.

The International Sanitary Hover, manufactured by the Hover Incubator Mfg. Co., Box 611, Brown's Mills, N. J., has proven, on many of the largest poultry farms, to be one of the most successful of all the hovering devices.

It only weight 30 pounds, and to set it up you have only to set it down; easily moved; no nails to drive or platforms to build; made of galvanized iron; fireproof. It will mother 100 chicks easily. Lowers death rate of chicks by great numbers. For sale at all dealers.

BEAN'S COLUMBIAN ROCKS

Frank G. Bean, Collegeville, Pa., specialty breeder of Columbian Plymouth Rocks, in his catalogue for 1914 explains why he believes his Columbian Plymouth Rocks are the best in the world. To justify his claim to that distinction he cites his show record made at the leading exhibitions and as he has won the majority of the blues it appears that he is entitled to the honor. The book shows half-tone illustrations of many of his winners together with a description of his matings for the coming season, also prices of stock and eggs for hatching. The printing is well executed and the book is in keeping with the quality of the flock of Columbians it describes. Although Mr. Bean has gone to considerable expense in issuing this catalogue, it will be sent free to all readers of A. P. W. interested in the variety.

"IDEAL DARK CORNISH"

Readers interested in Cornish fowl should send to Dr. W. A. Low, Catonsville, Md., for copy of his 1914 mating list. Dr. Low has been a breeder of Cornish for the past 15 years and has succeeded in establishing a truly remarkable flock of these birds. The character of his birds is well expressed by a pair of illustrations, one on the front and one on the back cover, showing a cock and hen, both noted winners at recent shows. Copy of the mating list describing six matings for the coming season will be sent free to all who mention this paper.

ACME WHITE WYANDOTTES

Are bred for merit. Sold on honor. They win; they lay. A trial convinces. Trap-nest used 365 days in the year.

J. HARRY WOLSIEFFER. R. F. D. No. 5, VINELAND, N. J.

POLEY BUFF ROCKS

300 Breeders at reduced prices for sale. Get catalogue and price list of same.

JOHN W. POLEY, Box W, LINFIELD, PA

S. C. REDS Winners for years at Philadelphia, also Hagerstown, Camden, N. J., etc. Stock for sale. Eggs $2.00, $5.00 and $10.00 per setting. We make a specialty of selling Day Old Chicks from our matings. Best Pens A and B chicks $1.00 each. Pens 1 and 2 chicks 50 cents each. Others $18.00 per 100.

J. H. CROSSLEY & SON, P. O. Box 77, MAGNOLIA, N. J.

GABRIEL'S "Raven Black" S. C. Black Minorcas

Winners at leading shows of Middle West. I have a large number of extra choice Cockerels from which to select you a male to head your breeding peu—"Raven Blacks" will add quality to your flock and dollars to your bank account. Write your wants. Now booking egg orders.

FRED C. GABRIEL, Box W, SOUTH BEND, IND.

MOORE BROS.

S. C. WHITE LEGHORNS



By careful line breeding we have established a strain of White Leghorns in which both Standard and utility requirements are developed to the highest degree. Our record at the Greater Buffalo Show, Thanksgiving week 1913, is proof of quality. For complete winnings and illustrations of our winning males, send today for a copy of our 1 14 catalogne, it's free. It also gives full description of our twelve selected matings, with prices of eggs from $10 per 15 down to $6 per 100. Day Old Chicks from $1 each down to 15c each, $12 per hundred. **Quality for Everybody.** Your name on a postal will bring catalogue by return mail.

MOORE BROS., Box W, MOSCOW, N. Y.

SINGLE COMB BUFF LEGHORNS
WHITE HOLLAND TURKEYS
INDIAN RUNNER DUCKS
GREAT DANE DOGS

The Leading New York Winners for the past five years. Royal strains of Poultry are well known. Choice Stock always on hand. Illustrated Catalogue Free.

ROYAL FARMS, Desk A, LITTLE SILVER, NEW JERSERY

HOW TO RAISE BROODER CHICKS SUCCESSFULLY

PARENT STOCK OF FIRST IMPORTANCE. SINGLE BROODERS PREFERRED TO PIPE SYSTEM. WHAT AND HOW TO FEED

One of the first things to be considered in raising brooder chicks successfully is the parent stock, which must be in perfect health, properly fed and given abundant exercise to insure fertile eggs and strong chicks. A first-class incubator must be selected, one that will hatch from 75 to 90 per cent. of fertile eggs, and when you get such hatches you will get strong chicks that will live if properly cared for. The next thing to be selected is a brooder, and this is equally if not more important than the incubator. You must get a brooder that imitates a hen as closely as possible; one that will let in any amount of fresh air; one that has a round cylinder with no corners for chicks to crowd in, and one easily heated with a lamp that will not blow out nor smoke. I prefer the single brooders to the pipe system. In winter heat your house to 60 to 70 degrees and keep your brooders 90 degrees at the start, gradually lowering the temperature after twelve days. Do not let the chicks get chilled at any time nor allow them to crowd, for if you do bowel trouble will be the result, which will take off a large per cent. in a short time. Too much heat will weaken them and cause many to die, so you must be very careful, especially at night, about obtaining the right temperature, as it often grows very cool the latter part of the night, so a little extra flame should be left on in cool nights.

I use runs five feet wide, ten feet long inside of house, and outside runs fifty feet long well shaded in summer.

The next and most important of all is food. I wish to say right here that overfeeding for the first four weeks of a chick's life has put more people out of the business than all other things combined. You can hardly feed too little. We feed four times a day for the first five weeks. The first three weeks we use principally dry food and make them scratch for every meal but that given at night. We feed prepared dry chick food morning and night. At ten and two o'clock we feed millet seed, pinhead oatmeal and cracked wheat. We keep them well bedded with cut clover two or three inches deep, and throw all their food in this. They also eat much of the clover. We feed very sparingly at first. Keep them hungry at all times. Much depends on keeping them at work; it assists in keeping them in good health. We keep grit and charcoal before them at all time, and fresh water is always before them. Care must be taken to keep their drinking dishes free from slime; they should be washed daily. Clean your brooder every other day if you bed with cut hay, and every day if you use sand or bran.

After three weeks your chicks will begin to tire of this feed, then we give two meals a day of soft food composed of one part stale bread soaked in water, or better, milk, one part bran, one part hominy meal, ten per cent. finely ground meat. The same mash with ten per cent. good beef scraps is a good growing food and much more easily prepared, but more expensive. We continue feeding chick feed once a day for two weeks longer, giving mash morning and night, using cracked corn and wheat once a day. If running for broilers make your mash one-half cornmeal. We run but fifty to sixty chicks in one lot, as this is enough for any single brooder if you want them to live.

After they are old enough to leave the brooder and you cannot

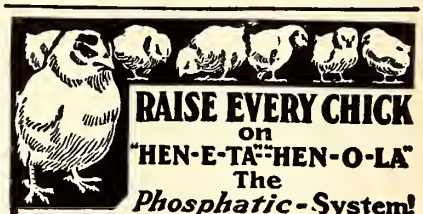


The record made by Haldie Nicholson, Leominster, Mass., on Blue Orpingtons at New York, Boston and Chicago, places him in the front rank of American breeders of this variety. The above picture shows his first prize hen at Madison Square Garden, December, 1913. His advertising elsewhere in this issue will prove of interest to all interested in this variety.

ARE YOU READING
The Diary of a Commercial Hen?
79 Healthy Chicks Out Of 99 Eggs
THE COUNTRY GENTLEMAN
The Farm Weekly That Is Different
5 Cents the Copy, of all Newsdealers. $1.50 the Year, by Mail
THE CURTIS PUBLISHING COMPANY,
Independence Square, Philadelphia, Pa.

NO MOPING NOW.
"I'M LAYING"


Disease Paralyzes the crop (totally or partially). Why pour medicines into a "paralyzed crop," there to lie dormant, while disease destroys?
GET OCULUM AND INJECT
it, and Cholera, Roup, W. Diarrhea, Blackhead and Leg Weakness will "get out and stay out."
"You have opened a gold mine for the chicken man." J. S. Hendry, Louisville, Ky.
Dealers, 50c. and $1. If skeptical (doubtless you are), dime (postage), brings either size. Send bal., if O. K. Agents needed. Literature free. Your move next.
H. I. CO., Box Q, Salem, Va.


RAISE EVERY CHICK
on
"HEN-E-TA" "HEN-O-LA"
The
Phosphatic-System!
The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.
The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.
Ask your dealer or write us for new booklet, entitled:
"The Successful Way to Grow Little Chicks."
HEN-E-TA BONE CO.
Dept. W, Newark, N. J.

Printing for Poultrymen

Few Poultrymen realize the value of good printing—in fact many fail to use *Printed Stationery.*

Well printed letter heads make a favorable impression on the prospective buyer and the breeder who uses well printed stationery will secure two orders to one for his neighbor who uses "any old thing."

We are prepared to fill orders for Business Cards, Envelopes and Letter Heads promptly at the following prices:

BUSINESS CARDS.
Any Size up to 3½ in. x 5 in.

100	$1.50
250	1.75
500	2.00
1000	2.50

ENVELOPES		LETTERHEADS	
250	$1.75	250	$2.00
500	2.00	500	2.50
1000	2.50	1000	3.00

Postage or express charges to be paid by the purchaser. Give us a trial, our printing will help your business. Send all orders to

American Poultry World
Job. Dept., 158 Pearl Street, Buffalo, N. Y.

give free range make yards twenty feet wide by one hundred feet long and put sixty to seventy-five in a flock on grass yards with plenty of shade, dividing the pullets from the cockerels. Keep them free from lice and you will have birds of fine quality for breeders.

HOW TO KILL AND BLEED POULTRY FOR MARKET

"Grasp the chicken, when killing, by the bony part of the skull. Do not let the fingers touch the neck. Make a small cut with a small, sharp-pointed knife on the right side of the roof of the chicken's mouth, just where the bones of the skull end. Brain for dry picking by thrusting the knife through the groove which runs along the middle line of the roof of the mouth until it touches the skull midway between the eyes. Use a knife which is not more than 2 inches long, one-fourth inch wide, with a thin, flat handle, a sharp point, and a straight cutting edge."

The above instructions on the proper methods of killing poultry were issued by the Department of Agriculture. At least 30 per cent. of all the poultry coming into the New York market is incompletely bled. Much of it is so badly bled that it results in a loss of from 2 to 5 cents a pound, as compared with the corresponding poultry which is well bled and in good order, continues the Department. Aside from the bad appearance of incompletely bled chickens, their keeping properties are very inferior. The flesh loses its firmness sooner; its flavor is not so good; the odor of stale flesh and finally of putrefaction comes sooner; and in every way the product is more perishable.

A very large proportion of the unsightly poultry in our markets aside from the rubbing and tearing of the skin, is caused by an incomplete removal of the blood. This is evidenced by red dots which frequently occur where the feathers have been removed, especially over the thighs and wings, or by the small veins, which mar the appearance of the neck. Generally it is the neck which shows most plainly the presence of blood in the fowl, or that a wrong method has been used in cutting the blood vessels in an attempt to empty them. The neck is the first part to discolor, becoming first red, then bluish red or purple and finally green as ageing progresses.

"THE QUISENBERRY WAY"

Every one who is "chicken-wise" knows of the splendid work which T. E. Quisenberry is doing at the Missouri Poultry Experiment Station. Comparatively few, as yet, know of the great work which he has inaugurated as President of the American School of Poultry Husbandry. This school, through its correspondence course, offers every one who desires to succeed in the poultry business, the opportunity to secure, direct from Mr. Quisenberry, the results of a lifetime of experience, study and investigation. Look up the advertisement of the American School of Poultry Husbandry, Mountain Grove, Mo., elsewhere in this issue, and write for illustrated prospectus. Kindly mention this paper.



The above gives an idea of some of the up-to-date buildings recently erected by T. S. Hewke, of Middletown, N. Y., breeder and originator of "Golden Glow" Strain of Buff Wyandottes. No. 1 shows the residence of rustic stone construction. No. 2, a cockerel coop set in the midst of a chestnut grove. No. 3, one of the breeding coops. No. 4, winner American Poultry Association medal for best in American class at Madison Square Garden, 1912-13.

COCHIN BANTAMS

Readers interested in either variety of Cochin Bantams should not fail to write Wahebe Bantam Yards, Box 13-R, Evanston Sta., Cincinnati, Ohio, for their 1914 mating and price list. Wahebe Bantam Yards, have made a wonderful record at leading shows under some of the best judges of the country and they believe they are in position to furnish as good as the best in Cochin Bantams.

WHITE FAVEROLLES

Stock for sale. Eggs $5.00 per 15, (no discount)

Aug. D. Arnold, Box D, Dillsburg, Pa.

WHITE RUNNER DUCKS

PEERCE STRAIN—Strictly High-Class White Runners.

Winners Madison Square (1913), 1st and 2nd old Duck, 3rd young Duck, 2nd pen. Philadelphia(1913), 1st young Drake, 2nd old Duck, 2nd old Drake, 2nd young Duck. Also winners at Hagerstown, Allentown and Baltimore. Prolific layers of white eggs

For Quality Stock or Hatching Eggs, write

WILLIAM E. PEERCE, Box W, GLEN ARM, MD.

OAK GROVE POULTRY FARM

S. C. WHITE LEGHORNS

Stock and Eggs for sale, also have some very fine birds for sale. Write us for mating list, also our winners.

OAK GROVE POULTRY FARM, Surfus & Stage, Props., KIMMELL, IND

CHAMPION R. C. BLACK MINORCAS

HAVE JUST WON AT THE

Great Mid-West Coliseum Show, Chicago, in competition with America's Best. Cock 1-4; Hen 1-4; Cockerel 2-3; Pullet 2-4; Pen Old 1; Pen Young 1. Out of 22 bires shown 18 were placed as winners, winning twice as many first as all exhibitors and four points more than all combined, are constant winners at New York, Scranton, Guelph, Toronto and Loudon. Eggs from National Champion matings $3.00, $5.00 and $10.00 per setting.

ROSS SWARTOUT, Prop., Box D, NEWPORT, ONT., CANADA

GRAND DISPLAY CHAMPIONS

MADISON SQUARE GARDEN, December, 1913, 1-3 Pen, 1-2-4 Cock, 2 Hen, 1-3-4 Cockerel, 1-4-5 Pullet' 54 points against 42 to all others combined. *BOSTON, MASS.,* Jannary, 1913, 1 Pen, 1-2 Cock, 1-3 Hen, 1-2 Cockerel, 2-3 Pullet' Challenge Championship Cup on both Male and Female.

WOODCREST PARTRIDGE WYANDOTTES

Have won every male first prize for two successive seasons under seven of the best known judges in the World. Do you want the blood thus proven supreme in breeding birds and eggs for hatching.

CHAS. H. WOOD, 340 Main Street, WORCESTER, MASS.

CARE OF YOUNG CHICKS

ONE SHOULD NEITHER OVERFEED NOR STARVE GROWING CHICKS. CORN IS GOOD FOOD IF PROPERLY FED. ONLY ONE GENERAL RULE

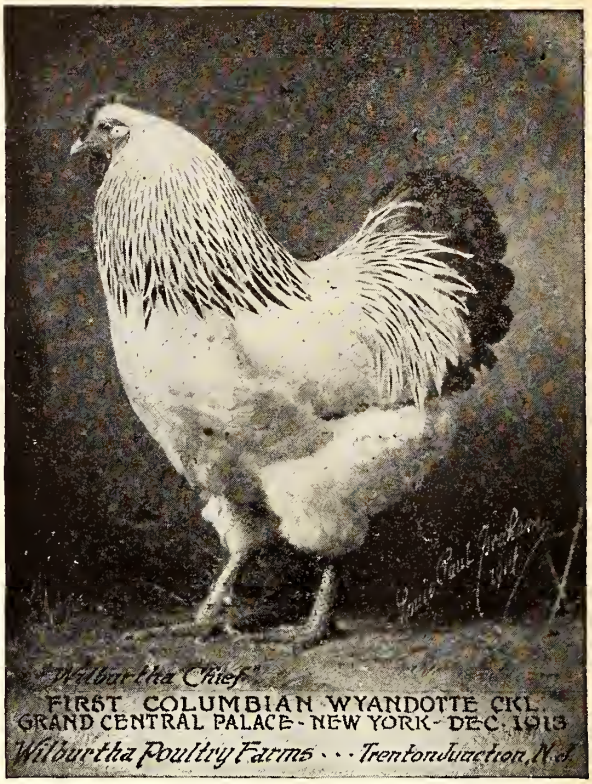
In caring for young growing chicks, many persons overfeed, giving them an unbalanced ration, while others actually starve the growing birds. If the chicks are permitted free range on the farm, one need not go to the expense or bother of supplying them with all the extras, such as meat meal, vegetables, etc., as the city or town breeder must do. The farmer's wife only needs to see that the growing birds have good water, grit and shelter, though they should be fed three times a day while young with some good chick food mash mixed with sweet milk, which with the insects they pick up supply meat enough for them.

One can easily mix suitable chick feed at home, if he wishes, using equal or nearly equal parts of corn meal and middlings, with a small per cent. of bran. Mix this with sweet milk, or even with sour milk if it is not too stale, though we perfer sweet milk. This food will furnish the chicks with all the elements needed for their growth. As they grow older, of course, they should be supplied with some coarser grain. There has been so much said, condemning corn as a chick food, that we have been almost afraid to feed it, but every farmer's wife (they are the ones who supply the chicken meat) knows that corn is all right and that it is the grain that puts the meat on the chickens. Of course no one would expect to feed corn exclusively, but it is our opinion that more chicks have died on account of the lack of corn than from too much of it where it was fed to them in right proportions.

VARY THE FOOD

There is no one food that is so good that it can be fed exclusively. Growing chicks permitted to range with the mother hen can do well with the food that would not be adapted to the needs of the brooder chick. Remember in the latter case the breeder must assume the care usually given by the hen. We have reared brooder chicks successfully, but for the past two years have rather fallen back on biddy.

After the Fourth of July all our chicks are fed but twice a day, night and morning, because as the weather is warm they do not require food so often. Brooder chicks require food four or five times a day when small, a little at a time, and some dry food should be thrown in the scratching litter to keep them busy. The chick that is



A FINE COLUMBIAN WYANDOTTE COCKEREL

The recent winnings of Wilburtha Poultry Farms, Trenton Junction, N. J., at the Palace and Madison Square Garden shows again emphasise the remarkable quality of the fowls raised on this modern plant. Their Columbian Wyandotte cockerel, "Wilburtha Chief", was awarded first prize at the recent Grand Palace Show.

While Columbian Wyandottes are their leaders, yet their Columbian Plymouth Rocks, their Partridge Plymouth Rocks and their S. C. Buff and White Leghorns have also won their share of the blue ribbons at the recent shows. The Wilburtha Poultry Farms have just issued an attractive folder and their 1914 mating list, will be mailed free to any reader of this paper.

HARVARD REDS WIN

At New York (Madison Square Garden) and at Boston

THE EASTERN TROPHY CUP

of the RHODE ISLAND RED CLUB OF AMERICA, the most coveted cup for best display of BOTH COMBS, the CHAMPIONSHIP CUP for BEST MALE OF EITHER COMB, and TWO OTHER BEST DISPLAY SPECIALS.

THIS GREAT WINNING at America's Two Premier Shows, which inlcudes FIVE FIRST PRIZES, FOUR SECONDS, EIGHT SHAPE AND COLOR SPECIALS and TWENTY-FIVE OTHER RIBBONS.

Definitely Establishes the UNITED BREEDERS' Claim of

"THE WORLDS' BEST RHODE ISLAND REDS"

HUNDREDS OF GOOD BREEDING BIRDS OF BOTH COMBS, $5 TO $15 EACH, BREEDERS WITH EXHIBITION QUALITY, $20 UP.

WRITE AT ONCE FOR BOOKLET, "THE FIRST CO-OPERATIVE ORGANIZATION OF POULTRY FANCIERS"

LEARN How we RE-PURCHASE anything originating with us, WHEN YOU NO LONGER WANT IT; How we sell EGGS FOR HATCHING and INSURE YOU AGAINST DISAPPOINTMENT OR LOSS. MATING LIST NOW READY—ASK FOR IT.

UNITED BREEDERS, Inc., 334 Pond St., South Braintree, Mass.

Address all Correspondence, and make all Remittances payable, to THE COMPANY, Not to Individuals.

out with its mother gets enough exercise running after her.

In the case of young or old stock one must use his good judgment as there is no cut and dried rule for raising birds, because they have different environment. There is one general rule that everyone should follow and that is to keep the birds free from lice. If you do not, they cannot thrive.

—o—

UNITED BREEDERS CATALOGUE

The first annual catalogue of the United Breeders, Inc., successors to "Old Acres" and the noted Old Acres strain of Rhode Island Reds, is now ready for mailing. It fully explains the object of the new organization and operation of their co-operative plan, for the United Breeders are a co-operative organization, and claim the distinction of being "The First Co-operative Organization of Poultry Fanciers. Their matings of single and rose combs for the coming season are fully described and their record at such shows as New York and Boston is given complete. The business management of the company is entrusted to I. W. Bean who is well known to breeders of Rhode Island Reds as the producer of "Sensation". Copies of this booklet may be had free upon application to the United Breeders, Inc., 334 Pond St., South Braintree, Mass.

—o—

THE HOME OF LEGHORNS

A very interesting catalogue is the one issued by Turtle Point Farms, "The Home of the Leghorns", Saratoga Springs, N. Y. This farm specializes in these popular Mediterraneans and included in their list of varieties are S. C. White, R. C. White, S. C. Brown, R. C. Brown, S. C. Black and Silver Leghorns. The plant is owned by W. H. Manning and is under the management of W. M. Anderson, who has proven his ability by producing many prize winners for Turtle Point Farm. The catalogue is well printed and is also profusely illustrated with many reproductions of the farm's winners. On page four is found a very broad and liberal guarantee and we believe it will be fully carried out. Fanciers of Leghorns should all have a copy of this catalogue. It may be obtained by mentioning A. P. W. when you write.

—o—

BUTTERCUPS

John S. McBride, Beverly, Ohio, specialty breeder of Buttercups, has a change of copy in this issue of AMERICAN POULTRY WORLD in which he is offering both stock and eggs for sale. That Mr. McBride is satisfying customers is apparent from the following testimonial: "Last year I purchased some Buttercup eggs from you for setting purposes. I believe you asked me to let you know what success I had and will say that as I have previously reported to you I hatched seventeen chicks and raised eight of them. I entered one of the cockerels in the Webster and St. Louis shows and took first prize with him. I also entered two of the pullets in these shows and took first and second prizes with them.—Linn E. Bryan, Webster, Mo."

—o—

*** * * Your favorite magazines at reduced prices in our Clubbing Catalogue. Send for copy today * * ***

RIVERDALE POULTRY FARM

Many people argue that one variety of poultry is all that can be properly bred by any breeder, but from what we gather from the mating list of F. M. Prescott, Prop. Riverdale Farm, Riverdale, N. J., there are exceptions to this rule. Mr. Prescott breeds Light and Dark Brahmas, Rose and Single Comb Rhode Island Reds, S. C. White and Brown Leghorns, Barred Plymouth Rocks and White Wyandottes and from his show record the past season we gather that he is successful with them all. These varieties are all described in the above list as well as his show record for the past season. Much valuable information in regard to his plant and methods is also given. For a copy of this list mention A. P. W. and address as above.

—o—

MAPLEWOOD BABY CHICKS

Maplewood Poultry Yards, Box W, Attica, N Y., are advertising S. C. White Leghorn day-old chicks and hatching eggs at remarkably low prices. Intending buyers before placing their orders should look up their ad elsewhere in this issue and note their offerings. Maplewood strain White Leghorns and Pekin Ducks have made a splendid record during the past season at leading shows throughout New York State. In addition to being bred for Standard requirements, Maplewood stock is selected for vigor and prolific egg production. An interesting 24-page catalogue describing their birds will be sent free if you will mention A. P. W.

PERRY'S POULTRY FARM

L. H. Perry, Clay, N. Y., has issued a four-page folder describing his R. C. White Leghorns, Buff Plymouth Rocks, Black Wyandottes, Blue Andalusians, Emden Geese, Colored Muscovy Ducks, Fawn and White and White Indian Runner Ducks. It will be remembered that Mr. Perry made a remarkable record during the past season with both his R. C. White Leghorns and Buff Plymouth Rocks at several of the leading exhibitions, including Forest City Fair and New York State Fair. Prices for stock and eggs of these varieties are very reasonable. He is also prepared to fill orders on short notice for either stock or eggs of either of the varieties of waterfowl mentioned above.

—o—

150,000 CHICKS

Two new Candee Incubators with a capacity of 15600 eggs have recently been installed at the Galen Poultry Farm, C. F. Gibson, proprietor, Clyde, N. Y. With previous incubating capacity the plant now has a capacity of 150,000 chicks per season. The varieties specialized in are S. C. White Leghorns, Barred Plymouth Rocks, S. C. Rhode Island Reds and Indian Runner Ducks. Their plant and varieties bred and handled are fully described in an attractive 16-page catalogue that will be sent free to all who mention this paper.

—o—

*** * * Send for a copy of our new Clubbing Catalogue, now ready for mailing * * ***

WHITE WYANDOTTES EXHIBITION and UTILITY

Stock and Eggs for sale. Silver Cup for Best Display, Rochester, N. Y., December 15-20-1913.
Write for prices and mating list.

THOMAS C. GORDON, BROCKPORT, N. Y.

QUALITY BUFF ROCKS

EGGS AND FOWLS

W. J. WIBERLEY, PEEKSKILL, N. Y.



A GOOD TRAP NEST

Made in a few minutes from a common box, very simple and reliable. Send 10c for complete priuted and illustrated instructions for making your own trap nest. Warm water fountains, automatic feed hoppers, poultry houses etc Price list of our wonderful strain of Winter egg producing Barred Rocks free.

Stirdivant Farms, Sheboygan Falls, Wisconsin

URBAN FARMS

PINE RIDGE

BUFFALO, N. Y.

Ask for our 1914 Mating List of Prize Winning BLACK LANGSHANS, WHITE PLYMOUTH ROCKS, ANCONAS, HOUDANS, SILVER CAMPINES, MOTTLED JAVAS, BLACK TAILED WHITE JAPANESE BANTAMS and MILLE FLEURS.

TRACEY'S ROSE COMB WHITE MINORCAS

win Best Display, all varieties and combs of Minorcas competing, in the best class of R. C. Whites yet shown. We won all firsts but one at Madison Square Garden, and purchased first prize cockerel. We received much praise for the beauty of our Garden exhibit, and prominent judges, including Mr. Denny, Mr. Northrup, Mr. Cosh and Sec. Campbell, were among these. We will have very fine matings from which we will sell eggs at $5 straight. From No. 1 special pen, $10 per setting. No utility matings. R. I. Red eggs, $5 and $10 per setting.

GEORGE W. TRACEY, Box W, KINDERHOOK, N. Y.

MY WHITE-CRESTED QUEEN

Let others pen lines on their favorite breed,
In eloquent verse, that others may read,
But I will sing of my White Crested Queen,
Of her plumage black, with its emerald sheen.
She's lady like, dainty, and proud as can be,
No bird on the green lawn handsome as she,
And she knows it too, (between you and me),
This White Crested Black Polish beauty.

Take her up on your lap, in your Sunday best,
Smooth down her feathers, and wash her white crest,
Never fear that she'll soil you, she's modest and neat
From the top of her head, to the toes of her feet.
She stays near her home the live long day,
To the neighbors' garden she never will stray,
And wallow, and dig, she's not built that way,
This glossy Black White Crested beauty.

She partakes of her food, in a manner correct,
And eats not half what one would expect,
She'd like a napkin and finger bowl too,
But these I'll not give her, neither would you.
Nearly every day between morning and night,
She lays in a nest partly hidden from sight
And her egg like her crest is spotless and white,
This pure bred White Crested beauty.

Her lord is a Prince, in bearing and tread,
His crown, the flowing white crest on his head,
He's proud of his beauty, 'tis plain to be seen,
As the sun light shows his glossy green sheen,
And I'm proud of them both, such a royal pair,
This gallant Knight, and his lady fair,
They'd win admiration any where,
These White Crested Polish beauties.
—R. Duane Bromley.

SELLING DAY-OLD CHICKS

We all agree that the poultry business is assuming immense proportions. We are just beginning to realize the importance of the industry and are classing the business commercially, where it belongs. We must agree that a better class of men, business men, are engaging in the business. In years gone by it was supposed to be of sufficient importance for women and children, but not big enough for a full-grown man. We need only refer to statistics and look about us to get something of an appreciation of the immensity of the industry.

It is equally true that there are a good many who are doing business under the belief that the chief object in view is to sell poultry, breeding stock, eggs for hatching, day-old chicks, etc. We mean, to sell, irrespective of quality or results. It is a fact that through ignorance losses occur. It's equally true that through dishonesty losses occur.

We desire to call attention to an institution that has produced a book that is more than a catalog, for the purpose of instructing intending purchasers. We refer to the Michigan Poultry Farm's catalog for 1914. If you have not seen this catalog, write at once, addressing them at Lansing, Mich., and they will send you a copy free. In addition to a lot of valuable information on the day-old chick question, you will find suggestions concerning the care, handling, feeding, marketing, in fact, everything that has to do with the successfully conducted poultry business. Of course this book is intended to advertise most prominently Single Comb White Leghorn day-old chicks. The Michigan Poultry Farm has a capacity of 60,000 eggs; four mammoth incubators with 15,000 capacity each. Get the book and read the story for yourself. Don't fail to mention A. P. W. when writing.

PRATT'S ROCKS AND WYANDOTTES

If in search of some first class White Plymouth Rocks or White Wyandottes, breeding birds or eggs for hatching, write to C. W. Pratt, No. Abington, Mass., originator of the Progressive strain. Mr. Pratt has exhibited White Rocks and White Wyandottes at Madison Square Garden, Boston and Brockton shows and in the strong competition that is always found at these shows, his birds have won handsomely. For instance, at the 1913 Boston show in a class of 54 White Rock cockerels he won 1st and 3rd. At the 1914 Boston show, in a class of 45 White Rock cockerels he won 2nd and 6th. Mr. Pratt has a limited number of cockerels and pullets for sale. Egg orders are being booked now for delivery at any time. For full information and mating list address C. W. Pratt, No. Abington, Mass. Kindly mention A. P. W.

*** * * You can not afford to subscribe for your magazines before consulting our Clubbing Catalogue—it saves you money—Send today for copy, it's * * * Get a copy of the corrected Standard. We supply it—send your order now * * ***

Engagements Booked Now For Fall Fairs and Winter Poultry Shows *all classes.* Legalized Expert Poultry Judge.
LLOYD M. HALLENBECK, GREENDALE, N. Y.
Originator of Buff Brahmas.

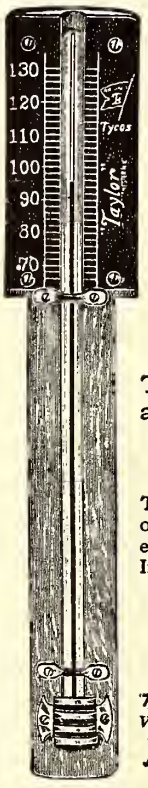
Sea Shells For Poultry Wild fowls dive for them in water, domestic fowls dive for them on land. Buy and try. I offer the best grade of shells as follows:—4 bushel $1.00, in ½ ton or ton lots 50c per bag of 100 lbs. on car here. R. C. Leete, Leete's Island, Conn.

I. W. BEAN STRAIN
ROSE AND SINGLE COMB RHODE ISLAND REDS
Fine exhibition and breeding stock and eggs from best pens for sale. Address
Marvel Poultry Farm, Jones & Thayer, Props., Randolph, Mass

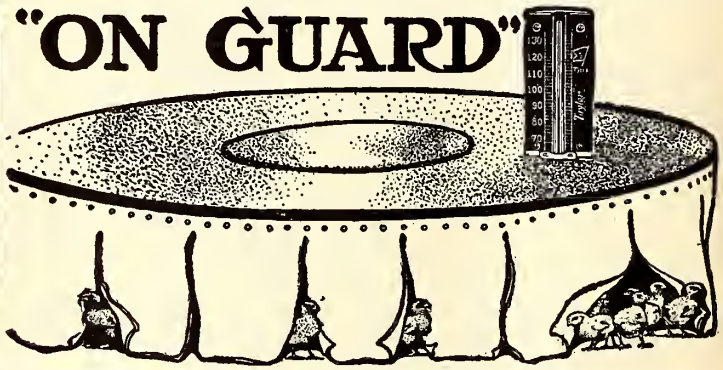
HOWLAND'S BUFF WYANDOTTES
Win at Madison Square Garden, 1911-12-13. Eggs from 4 choicest pens $5.00 per 15 eggs.
Satisfaction guaranteed
STUART A. HOWLAND, GRANVILLE, N. Y.

SEND A FRIEND
American Poultry World
4 Months on Trial
A trial subscription to the American Poultry World sent with your compliments to some good friend or neighbor who is not already a subscriber is a gift that will be appreciated—don't put it off—send in 10 cents with that name and address today.
NEW SUBSCRIBERS
4 Months for 10 Cents

"SLADES" IMPERIAL PEKIN, and FAWN and WHITE INDIAN RUNNER DUCKS
Blue ribbon winners wherever shown. Big win at Philadelphia and Baltimore. Eggs from Exhibition pens $5.00 per setting, other selected pens $2.00. $10.00 per 100. Satisfaction guaranteed.
JOHN SLADE, - - MALVERN, PA.



"ON GUARD"



To show the exact temperature under the hover you need an accurate, dependable brooder thermometer—a *"Tycos"*.

"Tycos" Brooder Thermometers
"ALWAYS TELL THE TRUTH"

They are positively permanently accurate. When buying a new brooder or incubator, insist that the manufacturer equip it with *Tycos* Thermometers. Go to your dealer for *Tycos* Thermometers for your old machines. If he cannot supply you—send direct to us, giving his name.

PRICES

Brooder Thermometers	each, $.75
Hygrometers	" 1.50
Certified Incubator Thermometers	" 1.00
Incubator Thermometers	" .75
Tycos Electrical Alarm Thermometer, express prepaid	" 5.00

Write for Booklet, "Thermometer Facts Worth Knowing"

TAYLOR THERMOMETERS TELL THE TRUTH "Tycos" IS THEIR "STERLING MARK"

104 AMES ST.
Taylor Instrument Companies, Rochester, N. Y.

FEEDING YOUNG CHICKS

IT IS MANAGEMENT FROM FIRST TO LAST THAT COUNTS MORE THAN THE PARTICULAR FEED USED

Successful feeding of young chicks is not the intricate problem some poultry writers would have us believe. It is wonderful only in its simplicity. Almost any sweet, clean, dry feed given them very sparingly, five or six times daily for the first ten days and then four times until the chicks are six or eight weeks old, is all they require in the way of food. Clean water and sharp grit should be before them from the first, but not very cold water for the first two weeks. We feed nothing the first two days, then give water and a little sharp grit and a very little dry bread crumbs or any good wholesome food.

Last season we raised some broods of our best chicks on dry ground grains—dry mash—from the first, and they are still eating it. After they were about eight weeks old we began feeding them wheat and cracked corn once a day in connection with the dry mash.

We fed this dry mash in open troughs, but now that these chicks are well-grown this dry mash is put in self-feeding hoppers so arranged that they can be closed at will.

We believe it is best to close the hoppers at night and in the morning feed a light ration of whole mixed grains scattered in litter on the floor. Then water the birds and feed mangel wurzels cut in halves and placed on the floor. About noon another light ration of whole mixed grains is scattered in the litter and the dry mash hoppers thrown open, from which they eat at will until night.

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After all, it is management from first to last that counts more than what particular feed we use.

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BUTTERCUPS AND THEIR STANDARD

PART II.

By A. O. Schilling

(Continued from page 451)

from breast backward under wings and saddle to stern. This section is always lighter than the rest of fowl and we believe that light bay expresses it correctly.

Fluff is described as bay. Breast being reddish bay and possessing considerable lustre would naturally be stronger in color, therefore the difference between the two sections is simply that breast shows more of a reddish cast and having a trifle more lustre, while fluff, minus this amount of lustre, appears to be simply rich bay, shading to light bay on stern. Some feathers on body fluff near end of flights being marked with distinct black spangles. The greatest difference of opinion now existing is that of color for earlobes. In our previous article we advocated white earlobes on the grounds that Buttercups were a Mediterranean breed and should not differ from their cousins, the Leghorns, in this respect. This is not the only reason, but we also maintain that, had red earlobes been adopted as the ideal, we venture to say that after this characteristic had been permanently fixed by in and inbreeding of the red earlobed specimens, sooner or later red earlobed Buttercups would begin to lay tinted eggs. We base our opinion on the fact that the red earlobe is a characteristic of Asiatic bloodlines, and it is a well known fact that breeds possessing these characteristics are inclined to lay tinted eggs. After red lobes have become permanently fixed, nature would automatically revert back in the direction towards which it is being bred by selective mating and the result would be as pointed out above. We are pleased to state, however, that out of twenty-one breeders who have written to us expressing their views on this point, thirteen of them are in favor of solid white earlobes, many others not having expressed a preference either way.

It will be noted that in the description of earlobes we suggest more than one-third red covering surface to be considered a serious defect. This is rather lenient in our opinion, and will enable breeders to exhibit their good specimens possessing some red in lobes, until white lobes are better established, when a more stringent law may be made governing this section. Solid red lobes should disqualify, as we believe a start must be made, and if such lobes are tolerated the breed and its standard would be ridiculed to a great extent.

Characteristic breed marks of both sex must be in harmony, one with the other, in order to establish a race or breed or any distinct type or color, therefore it is very important that stress be laid upon spangling of black, on body-fluff and cape of a male. These markings are in harmony with a female possessing the desired feather pattern. I believe we have covered the most important points regarding male and will now comment on the color description of the female.

Beginning with head, we describe the plumage as golden buff. This we believe will be perfectly acceptable to the majority, as we do not recall this term having been criticised. The next and one of the most important problems was to create a description fitting that particular design or pattern as shown in feather No. 4, which has been adopted by the club as its ideal. It seems to be satisfactory to the majority of Buttercup breeders according to the letters published in connection with this article.

Our first attempt at constructing a word descriptitn was made during the Palace show, and since that time much thought and study has been put to this particular subject until finally we have settled upon the description as it now stands and is printed herewith.

With the aid of suggestions and criticisms from P. C. Gori and W. C. Denny, whom we consider good authorities on subjects of this nature, I finally decided that the description is accurate enough to offer to Buttercup breeders for consideration and acceptance.

We have tried to be concise and accurate. There are several minor points about the markings of feather No. 4 which we have not attempted to mention, for the reason that we consider them unimportant at this stage of development in establishing

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the ideal feather pattern. We refer to the two spangles at end of feather. It will be seen that these two color markings are placed in such a position as to conform to the rounded end of feather, causing them to slant in the opposite direction to the remainder of spangles in the same row. We have seen feathers in which all spangles slanted in about the same direction while others taken from the same bird showed the variation mentioned above. This point seems to us rather a minor one and would therefore suggest that it be allowed to pass without special consideration as long as feathers possess the proper pattern in other respects.

MOTTLED OR PLAIN BREASTS. WHICH SHALL IT BE?

It would be well for readers to note the remarks made by Messrs. Gori and Petrie, also a few others who are in favor of mottled breasts and fluff for the ideal female. These gentlemen bring out some good points of argument in favor of spangling in these two sections. Since writing our former article, which appeared in November, 1913, A. P. W., we have given this question much thought and now firmly believe that mottled breasts would be much more favorable to the breeding of well marked backs and wings on females than if the Standard were to demand plain color in these sections.

During the past show season we have had the opportunity to study the Buttercup classes at such shows as Madison Square Garden, Boston, Palace New York, Chicago, and others, and from our observations we are convinced that it would be more in harmony with nature's laws of corresponding sex color to have the Buttercup female marked on breast and body fluff. We also noticed that females possessing plain breast generally show a weakness of marking on wings and back.

From back section we proceed to that of tail description, which calls for dull black except the two highest main tail feathers which are mottled with buff. In a letter from Mr. Fifield, he suggests that this section should be described as entirely mottled with buff and black. Undoubtedly some females are marked this way, but in our opinion a breed which calls for a black tail in male should also call for a black tail in the female, especially in a parti-colored variety, similar to the Buttercup. Select the blackest tailed females you have and you will find that the males from them will also have good black tails. If breast and fluff are to be marked with spangling it naturally follows that thighs should also be marked the same.

The next question is undercolor. This section while important to a certain extent should not receive too much consideration in determining a prize winner, however we consider it an important point to mention in describing the ideal specimen, or one which may be used as a breeder. We have gone through the mill of past experience in coping with this undercolor problem and in this connection I may mention my experience in the breeding of a new variety of Ornamental Bantams little known in this country, and called Millc Fleur Booted Bantams. These also have a crescentic shaped black spangle on a buff ground color, while the extreme end of feather is tipped with white. The undercolor in these birds is very similar to that of the Buttercup, being slaty blue shading into greyish buff at base. We have learned in breeding parti-colored varieties of this characteristic color type a pure buff undercolor without smut or slate, had a tendency to produce specimens of weak black markings, while on the other hand, a specimen possessing too much slaty blue undercolor and having practically no buff under the surface was found that these specimens were too heavy or dark with black markings, causing the buff ground color to be almost hidden by the over-lapping of these large black spangles.

It therefore proves that a breed possessing both buff and black in the surface feathers as in Buttercups and Mille Fleur Bantams must necessarily

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possess these same pigments to a proper balance in the underweb of feather in order to preserve these colors to their correct proportions.

Another proof of this statement is the fact that many of the richest colored R. I. Reds have smut in the undercolor. These specimens will also generally possess the strongest black wing marking and black tails.

Standard weight is another subject to be considered carefully. Several breeders have made suggestions regarding this matter, one suggests 7 lbs. for cock and 6 lbs. for cockerels, 5½ lbs. for hens and 4½ lbs. for pullets, while another wishes a weight clause lowering this scale one pound in each instance. This is a subject for the breeders in general to decide upon by a vote at the next annual meeting, but in the meantime we have offered a compromise of weights, suggesting 6½ lbs. for cocks 5½ lbs. for cockerels, 5 lbs. for hens and 4 lbs. for pulelts. In our opinion the Buttercups should be a trifle heavier and meatier than the Leghorn and in general appearance somewhat blockier, possessing better table qualities.

Last, but not least, as a matter of importance, we have disqualifications. Probably the most important of this section is the clause pertaining to earlobes. If you are to establish solid white earlobes then naturally solid red lobes should disqualify a specimen from competing for honors in the show pen. Laced hackle or saddles, being evidence of Leghorn blood lines should also be considered a disqualification, but to debar a specimen showing very slight traces of dark in a few feathers seems rather severe in our opinion. R. I. Red breeders do not consider this defect a disqualification and we see no fair reason why Buttercup breeders should be any more severe. We have covered practically every point of importance as thoroughly as possible and to the best of our ability and hope that we have made each point clear in the minds of our readers. These suggestions are offered for consideration and for the benefit of advancing the interests of Buttercup breeders in England and America and that an International Standard may be created for the breed. Following is the Standard description for shape and color of both male and female Buttercups as compiled and submitted to the breeders throughout the country:

STANDARD SUGGESTED FOR BUTTERCUP MALE AND FEMALE

SHAPE OF MALE

HEAD—Moderate in size and length, fairly deep.

BEAK—Medium length.

EYES—Full and round with keen expression.

COMB—A single leader, beginning at base of beak, and joined to a cup shaped crown set firmly on center of skull and surmounted by well defined regular points. Medium in size, fine in texture and free from decided points in cavity or center of comb.

WATTLES—Medium length, thin and well rounded.

EAR-LOBES—Almond shape, flat and smooth, fitting close to head.

NECK—Rather long, well arched. Hackle—Abundant, flowing well over shoulders.

WING—Large, well folded, carried close to body.

BACK—Long, broad and straight, sloping downward to saddle, which rises in a slight concave sweep to base of tail.

TAIL—Moderately large, well spread, main tail feathers, long, carried at an angle of 45 degrees from the horizontal. Sickles—long and well curved. Coverts—abundant.

BREAST—Broad, round and carried well forward.

BODY—Moderately long and fairly deep.

FLUFF—Short.

LEGS and TOES—Thighs and shanks moderate size and length. Toes straight.

SHAPE OF FEMALE

HEAD—Moderate in size and length, fairly deep.

BEAK—Medium length.

EYES—Full and round with keen expression.

COMB—Resembling that of male in form, but smaller and lower.

WATTLES—Moderately small, thin and well rounded.

EAR-LOBES—Almond shape, flat and smooth, fitting close to head.

NECK—Rather long, slender and well arched.

WINGS—Large, well folded and carried close to body.

BACK—Long, moderate width, sloping downward to middle of back and continued in a slight concave sweep to base of tail.

TAIL—Moderately large, well spread, carried at an angle of 45 degrees from the horizontal.

BREAST—Broad, round and carried well forward.

BODY and FLUFF—Body, long and fairly deep. Fluff—short.

LEGS and TOES—Thighs, moderate length. Shanks, moderate length and slender. Toes. straight.

COLOR OF MALE

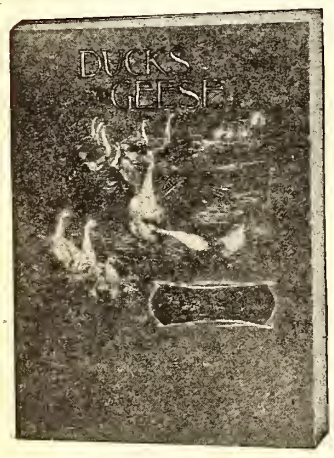
HEAD—Plumage, rich brilliant orange-red.

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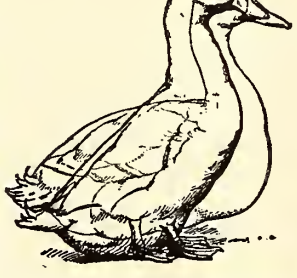
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Among the Writers of Articles are the Following: Franklane L. Sewell, James Rankin, Charles McClave, P. T. Woods, Mrs. B. F. Hislop, H. E. Moss, Mrs. A. M. Bush, Robert H. Essex, William Bonner, W. R. Curtiss, S. T. Campbell, R. H. Crandall, V. C. Harwood, Louis B. Schram, J. D. Rake, C. C. Herron, T. F. Jager, F. D. Fowler, Edward Brown and Grant M. Curtis.

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BEAK—Dark horn slightly shaded with yellow.
EYES—Reddish bay.
COMB, FACE and WATTLES—Bright red.
EAR-LOBES—White, more than one-third red covering surface considered a serious defect.
NECK—Rich, brilliant orange-red on surface.
WINGS—Shoulders and wing bows, lustrous bright cherry-red. Wing-bar and wing-bay an even shade of rich reddish bay. Primaries—Black, lower webb edged with bay. Secondaries—outer web reddish bay, inner web, black, shaded with bay.
BACK—Lustrous, bright cherry red, same as wing-bow. Cape feathers between shoulders at base of neck hackle, dark buff marked with distinct black spangles and covered by neck hackle.
SADDLE—Rich orange-red, same as neck hackle.
TAIL—Black, sickles and coverts, lustrous greenish black, showing some reddish bay at base.
BREAST—Reddish bay.
BODY and FLUFF—Body, light bay; Fluff rich bay, shading to light bay on stern. Some feathers on body fluff marked with distinct black spangles.
SHANKS and TOES—Thighs, reddish bay; Legs and Toes, willow green.
UNDER-COLOR—Slaty blue, gradually changing to light grayish buff at base. Quill, buff changing to straw color at base.

COLOR OF FEMALE

HEAD—Plumage golden buff.
BEAK—Dark horn, slightly shaded with yellow.
EYES—Reddish bay.
COMB, FACE and WATTLES—Bright red.
EAR-LOBES—White, more than one-third red covering surface considered a serious defect.
NECK—Plumage rich, brilliant golden-buff.
WINGS—Wing-bow and wing-bar ground color, light golden-buff, marked with two paralled rows of elongated black spangles, each spangle extending slightly diagonal across feather. The rows of spangles separated by buff quill. Edge of feather, light golden-buff. Secondaries, outer web golden-buff, regularly marked with black. Inner web black, Primaries, black edged with buff.
BACK—Ground color, light golden-buff regularly marked with same pattern of black spangling as in wing bow, and extending over entire surface, including saddle-feathers and tail-coverts.
TAIL—Dull black, except the two highest mail tail feathers which are mottled with buff.
BREAST—Light golden-buff extending from throat to middle of breast. Lower half light golden-buff, marked with black spangles of same pattern as wing-bow and back.
BODY and FLUFF—Body, pale buff. Fluff pale buff. Feathers on sides of body fluff marked with black spangles of similar pattern as wing-bow and back.
LEGS and TOES—Thighs, pale buff, marked with black spangles of similar pattern as wing-bow and back. Shanks and toes willow green.
UNDER-COLOR—Slaty-blue gradually changing to light greyish-buff at base, quill buff changing to straw-color at base.

DISQUALIFICATIONS

Shanks other than willow green, Stubs or down on shanks, toes or feet. Decided spikes in cup or cavity of comb. Solid while in any part of plumage except undercolor. Solid red earlobes. Black striping in neck-hackle or saddle-feathers of male.

STANDARD WEIGHT—Cock, 6½ lbs. Hens, 5 lbs. Cockerels, 5½ lbs. Pullets, 4 lbs.

A personal letter was addressed to each member of the Buttercup Club requesting their criticism on the article and illustrations appearing in the November, 1913, issue of AMERICAN POULTRY WORLD. To date 42 replies have been received. As many of these as space will permit are published herewith, with such portions omitted as were not of vital importance to the subject in question.

FEATHER NO. 4, A STEP IN THE RIGHT DIRECTION—SOME GOOD REASONS WHY BREASTS SHOULD BE MARKED

I can almost say Amen to the comb illustrations by Artist A. O. Schilling with the exception of a few changes regarding the male comb. It is always well to keep in mind the shape of a cup when we speak of cups, and let them not turn out to become saucers while they represent a male cup comb. A well developed cup comb on a male should not be wider at the base than the width of his head. The points or spikes should have made the desired curve or turn and be shooting upward in a perpendicular manner when they have reached this edge.

No more than 3 points leaving the beak should be considered tasty, and the 3rd one should form the front spike of the cup. If there be only 2 spikes on beak, consider this as better. If there be but one spike, consider it the best comb in this respect.

It is considered artistic and becoming to the female to have a wider comb in proportion to that of the male but not nearly so high. But the hen with an ideal comb is liable to produce saucer or pancake shaped combs on her sons. A well formed comb need not have more than from 8 to 12 spikes.

Color of Ear Lobes

I have been an advocate for a "Mediterranean" color, but this is a subject wherein we must tread lightly. The strain with which I am acquainted has been bred with white earlobes on the females and red on the males for more than 40 years.

Feather Markings

I can say Amen to this subject in regards to feather No. 4. But I wish to say that No. 4 is not my finished ideal nor as good as I have seen, but it is a step in the right direction. What we are after is the coveted "Loughi Siciliani"—Sicilian Spots—poke-a-dots if you please! Round or the shape of a three-quarter moon with the circular portion always facing towards the points of the feather.

Ideal Standard Color For Female

Neck hackle a plain golden buff. One kind of feather for back, sides, breast and tail coverts—No. 4 or "Loughi Siciliani." Rear and under fluff a shade or two of lighter buff.

The breast should be spotted the same or the sides or back for these reasons: First, whenever you find a female with a plain breast, you also find the absence of the evenly marked and well defined dots especially as it approaches the center and rear of the

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That have type, brilliancy and lustre. At Rockingham a clean sweep—1st and 2nd Cockerel, 1st and 2nd Hen, 1st Pullet and 1st Pen. Cup for highest scoring Cockerel, Rose and Single competing. At Weymouth 1st and 2nd Pen and highest scoring pair in American class. I have bred the blue ribbon winner at Boston, at Maine State show, at Memphis, Nashville, Rockingham, New York, Brockton Fair 6 times, at Chicago, at many other smaller shows, which places my Reds second to none in shape and color. They will breed more show birds to the 100 than any other strain. I especially invite those who have been disappointed either in stock or eggs to give me a try. I have scores of satisfied customers which is proof that they make good. *Stock and Eggs for sale.*
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CHAMPIONS OF THE SOUTH
Won at Baltimore—1, 3 & 4 Cockerel; 1, 4 Pullet; 2 & 3 Hen; 2 Pen. Grand sale of Cockerels now on—$5 up. Pullets, $3 up.
ROCKLAND FARM, D. Lee, Prop., Box 2, BENSON, MD.

Loomis White Wyandottes
Won at Providence, R. I., 1913, Show 1st cock, 1st and 3rd hen, 3rd cockerel, 1st pullet, 1st pen. At Southern Massachusetts Show 1st and 4th cock, 1st and 2nd hen, 1st, 2nd and 3rd cockerel, 1st and 2nd pullet. At Woonsocket Show 1st and 2nd cock, 1st and 2nd hen, 2nd cockerel, 1st and 2nd pullet, 1st pen. Stock for sale at moderate prices. Eggs from selected matings at $3.00 and $5.00 per setting of 15 eggs
E. W. LOOMIS, GEORGIAVILLE, R.I.

back towards the tail, in fact the dots are lost into barrings before they reach the tail. Second, to breed plain breasted birds has the natural tendency to lose the much desired golden buff color and produce swallow breasts. Third, a plain breasted female is one with 99 chances out of a 100 to be barred and laced on the back with a profusion and confusion of other shades intermingled. Fourth, a plain breasted female in plain words is an unfailing sign of a mighty good cull. Fifth, please sir, some one of you plain breasted breeders name me any other Standard breed having two or more distinct colors on the backs of birds having plain breasts?

Color of Male

Golden buff neck and back hackle. A dark cherry red over saddle or back and especially so at the base of wings, gradually dying to a brown, then to a brownish within about two inches from points of wing flights—which finish in a beetle green black, spots on feathers of back at base of neck. The breast and front of sides a bright red turning to buff below the wings as it approaches the side fluff. This fluff should show spots under tip of wings.

Things not mentioned, I consider the same as in Standard.

Yours respectfully,
P. A. Petrie,
Moon Run, Pa.

SOME FACTS WORTH CONSIDERING

Taking up the article proper we have first the male comb, the correct shape of which I consider of the utmost importance, inasmuch as it is the identifying crown which distinguishes the breed from all others. Mr. Schilling agrees with me as to "erect" being the proper descriptive word as applied to its points; erect was the word used in the Rochester Standard; when adopted, "numerous" was the substitution word printed in the altered official Catalogue Standard. I make use of the word "points" in referring to such parts of the Buttercup comb as have been designated as "spikes" in the Standard, as the latter word is improper and misleading; spikes are a part in rose comb details only, applicable to the Hamburgs and other rose comb breeds. I was much pleased to note at the Palace Show that, notwithstanding the large number of males entered, the moose antler combs had disappeared, no "Tarcusses" were in evidence. But at the Palace, there was, in my humble opinion, another new departure from the true Buttercup comb; there were many I could describe as exaggerated combs, and in producing them, their breeders seemed to have vied with the single comb Leghorn breeders as to who could produce the most "commanding" combs. Their seeming efforts resulted in top heavy, badly proportioned combs, which could only be described as being two upward curving single or side combs merging into two high single ones that ended abruptly on the beak, for the lack of more space and draw attention more as being "freakish," than as being handsome.

I believe the true and ideal Buttercup comb, should be of moderate size, regular shape and well proportioned; a complement to the head and not the head a complement to the comb. The crown cup should form the main comb with the single comb leader from the beak upward as an accessory and by giving the crown cup a base the correct regular upright points must follow. A comb well balanced in proportion, can never be obtained by curving outwards and upwards, points which spring directly from the skull covering without any crown base. With a male as in the former description there would be no more imperfect or deformed female combs; there would be corresponding female combs and good ones, through Nature's inalterable laws of heredity

The question of the correct Buttercup markings in the female is one I consider to be second in importance to the legitimate comb. As to the component parts of the surface coloring the buff and black pigments, there was no dispute, but opinions varied as to their distribution accordingly as they varied in conception of the desired surface effect and as a sequence differed as to what color design constituted the proper color scheme in the individual feather. All doubts are not settled; the final Amen to the controversy was voiced at the Palace Meeting of the American Buttercup Club, and the color scheme illustrated by Artist Schilling as No. 4 and favored by him in his article, has become the Standard marking of the female Buttercup where required in surface color, so to that gentleman reverts the honor of having been its sponsor by pushing it into the limelight with his skillful pencil.

With the specific markings of the female, as illustrated in No. 4 the fancier can wrestle to his heart's content, and if effort is his long suite it will be gratified in his reaching the goal of the coveted female feather assisted by finger marks in the male's plumage to forecast how much his mating with the female will perfect or annul her color scheme, whatever it may be. In contrast to the defined color scheme of the female is the undefined generis mentioned "red" in the surface color of the male which permits opinion the run of the entire gamut from Indian red, low, to orange red, high.

Another addition to the Palace Standard, specifies the spangles undercolor at the base of the hackles, one which we have always favored in our breeding males with the conviction that it influenced the surface color of their female offspring. Chantecler Poultry Plant, P. C. Gori, Ulster, Pa.

THINKS WHITE LOBES CAN BE BRED EASIER THAN RED LOBES

The Standard description of the Sicilian Buttercup comb, "surmounted with numerous spikes," I think should be changed to read "surmounted with erect spikes", and the drawing in your November number comes up to my idea of how the Buttercup comb should be.

Our Standard should fit the breed and not the breeders.

Another thing is the V shaped comb, that I think is wrong. I think perhaps "cup shaped" might cover the ground, but it seems to me that the comb should be built low on the head, and not leave the lead like the letter V as so many Buttercups we see. A number of breeders have this V shape in mind as to breeding, and I think that the looks of the comb would be helped to a large extent, if more of us would have in mind the cup shape in breeding.

The ear lobes could be bred white easier than red I think, although I have a very nicely marked cockerel with no trace of white in ear lobes.

To my mind, white ear lobes seem to be nature's color for Buttercups, and our Standard should be either white or red.

Regarding feather marking, your cuts number 4 and 6 should come up to any breeder's ideal. I quite agree with you that the breast feathers should be plain, as a mottled breast would in a way spoil the beauty of the breed.

Thanking you for your consideration, I remain,

H. M. Ackerman,
Rock Creek, Ohio.

OBJECTS TO CLUSTER OF SMALL POINTS IN COMB—PREFERS WHITE LOBES—OTHER GOOD SUGGESTIONS

I agree with Mr. Schilling in the description of the comb, with the exception of the inside of the cup, or as he

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MAPLEWOOD POULTRY YARDS, H. W. Hayner, Supt., Box W, ATTICA, N. Y.

describes it the top view. I think the cluster of small knots or points should be obliterated, for unless they are we are going to have pullets with an exaggerated rose comb so to speak or a cup shaped comb filled with spikes. Then too a nice smooth surface in the cavity of the cup gives a cleaner effect to the comb.

As to earlobe, personally I prefer a white to a red or red and white. The Buttercup should be classified with the Mediterranean breeds and each of these have white earlobes, then too the white earlobe sets off the color of this breed to better advantage. As it is now it is going to be almost impossible to decide where the red should leave off and the white begins, or vice versa, in judging specimens of equal merit, if the two colors are allowed to remain in the standard.

The markings of the female as described in figure 4 appeal to me, and the cleaner and snappier they are the handsomer bird we have, although I do not think a bird should be cut too hard that has the marking extending onto the breast. Regarding the color of the male, I think we can get too deep a red, in which case it would necessitate double mating, and there is nothing that will kill a breed in the eyes of the fancier as quickly as this system.

In the suggested ideals as drawn by Mr. Schilling I would make these criticisms, namely, the back of the female should have more of a slope from the shoulders to the tail and also have the tail of both male and female lowered a few degrees.

J. Harry Eddy,
Saratoga Springs, N. Y.

BELIEVES FEATHER NO. 4 TOO DIFFICULT TO ATTAIN AS AN IDEAL

We rather like the white ear-lobes or a predominating white and think the red a mistake. It is the countersign of a tinted shell, which is a step backward. The practice of distorting or destroying a valuable natural characteristic of a breed in shaping up an unimportant fancy point is a bad one, and many a deserving breed has been checked in its flight for popularity at the half way post and relegated to a very low position at its landing.

The comb as illustrated we like very much. We have had some discussion as to what the meaning of "erect" meant as applied to the spikes of the Buttercup comb and which has recently been substituted for "numerous" as now in the 1913 year book. The general meaning appears to be covered by the word perpendicular, or vertical, which means straight upward and downward. Yet several other meanings can be twisted out of its defining words and phrases. The one which means self-supporting in an upright position, which may mean most any degree between 45 and 90 is the one we must consider the right one, for none of the spikes are perpendicular or vertical and even in this correct wording or corrected wording whichever it is, we find something to disagree upon and for judges to hesitate about. Some breeders like a small cup comb surmounted on a high beefy base with necessarily two or three single comb spikes in the front rising from head to cup. This does not appeal to us, for one reason it has a tendency we think to favor lop combs in females and we do not think they are any comparison to the beauty of the comb illustrated by Mr. Schilling. We think it a beauty and still as an ideal it will be hard to attain, although we think it a characteristic comb for a Buttercup.

Feather No. 4 may be our Buttercup Ideal female back feather, but we will never get near it. Do not have the ideal so difficult it can not be approached to a reasonable distance.

Respectfully,
The Fowlers of Maplecroft,
Youngstown, Ohio.

WANTS SHORT SHANKS AND EVEN COLOR OVER NECK, BACK AND SADDLE

I like the suggestions for comb of both male and female. The feather No. 4 is by far the best type. I would like something said about the color of the male birds. "Dark" or "Butterish" red is rather vague. A "Butter red" is not much like dark red and will bring much questioning by those interested and prospective buyers.

I think the male should be a medium red, even color over body, breast, hackle and back, with no black on shoulders and solid black tail and wing flights. I see no reason why the markings of feather No. 15 should be objected to. I am in favor of all breed marks that tend to help bring the best color and thus do away with using birds that will not qualify for the show or produce birds that will come up to standard.

At first I was strongly in favor of the red ear lobes, but I think it a matter more of taste than anything and I appreciate the value of the argument given in favor of the Mediterranean ear lobes.

Another point I am anxious about is the length of shanks. I strongly advise short shanks. One of our best talking points is that these birds are not great flyers and that we do not have to build fences to the sky to keep them in like the other Mediterranean breeds compel us to do.

The short shanks will largely do away with this flying tendency. The breadth of back and width between legs makes the best type of breeders for broilers and early fryers.

Another point: The standard should definitely fix the weight, that is the minimum weight, and I think if we are to claim the "All purpose fowl" we must get in the middle of the weights of breeds. The cocks should weigh at least 7 lbs. and the hens 5 1-2 or 6 lbs.

Thanking you for this opportunity to express my views,

I am Sincerely,
J. A. Hollingworth,
State Vice-Pres., Oregon.

BELIEVES WHITE LOBES WOULD TEMPT BREEDERS TO INFUSE LEGHORN BLOOD—PREFERS SPLASHED OR SPOTTED EFFECT INSTEAD OF FEATHER NO. 4.

Your November issue and letter of Dec. 6th received. I want to register

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DUNE ALPIN POULTRY FARM
GEO. J. KERR, Mgr., Box 561-W, EAST HAMPTON, N. Y.

a kick against having the standard call for white ear lobes for the Buttercups. It might be changed to call for a lobe of red and white of about half and half instead of least admission of white, but never to an entirely white lobe. While the Buttercups may be Mediterraneans, they are a better meat bird, run larger and are plumper and this red in lobes indicates their leaning toward the larger breeds. If an all white lobe should be called for, some breeders might infuse more or less Leghorn blood into their flocks for some purposes, whereas if a good deal of red is called for they would be afraid to do so on account of whitening up the lobes too much. Thus the red in the lobes will act as a safe guard as to keeping the breed more pure and save it from being another small Mediterranean.

As to markings on the feathers of the females, I do not believe the Standard should call for a barred feather like No. 4. The beautiful black markings of the purest bred Buttercup females are not derived from barred feathers but from a peculiar splashed or spotted effect of black on the feather which may differ on different feathers of the same bird and is hard to say just what the markings are like. Avoid the Brown Leghorn coloring and breed for specimens with the well defined black spotted effect. We are all right and the standard colored feather can be worked out carefully and gradually in later years so that this unique black back marking may not be destroyed.

E. B. McPherrin,
Des Moines, Iowa.

PREFERS BLACK WING—BAR ON MALE

Taking Mr. Schilling's remarks in your November issue as a beginning I would agree with him that the marking on the female should be a black barred feather as his illustration No. 4. This marking I think should extend entirely to the base of tail feathers, eliminating all feathers such as 7, 10, 11 and 16. I further agree with him that the breast and underneath feathering should be light. In fact the prettiest hen I have is a pale buff color. I am in favor of excluding all black feathers that show on wing. Allowing the black wing feathers that have the brown on the underneath edge so that when wing is folded no black to show. In regard to comb I am very much in favor of a small comb, not larger I should say than a quarter, and positively to be erect. I think the larger one makes a bad appearance by falling to one side or the other. It should be almost erect as in the male, but the serrations should be small. The comb should be firm and lie close to head.

In regard to male my ideal would begin with a head like Mr. Schilling's No. 2 with this exception. That the comb should not be so wide as to extend out over the head, but the same should be more firm, and the spikes numbering not more than 12 should be erect, forming an approach to a crown. The hackle should be of a yellowish red, with the feathers on back and wings a very dark red and of solid color, save on wings, where I would like to see black bars, say two or three rows across the wing. I agree with Mr. Schilling that the male should carry the black marking on the side fluff feathers, for I think if he did not, it would be difficult to maintain the marking very strongly in the female. I would be afraid it would run out. The tail feathers I would approve of being long, well curved and of a green black sheen.

Respectfully yours,
J. G. Johannes,
Portland, Ore.

SAYS, BY ALL MEANS HAVE WHITE LOBES

I think it would be proper if the standard would require a dark stripe on the upper part of bill in both male and females, which would give a nice appearance and in harmony with the color of body.

The ear lobes should by all means be white. What other breed in the same class do we have that has red lobes? It gives the bird a more clean cut appearance and will appeal more to the fancier's eye.

The breast of female should be positively clear, which adds to the beauty of the birds, and male should be allowed or required to have the black markings as shown in drawings in the POULTRY WORLD of November issue.

Yours respectfully,
John W. Adams,
Member of Buttercup Club,
Outwood, Pa.

WANTS SOME RED IN LOBES PRESERVED

I have read your article carefully and think it the best I have seen. I agree with Mr. Schilling and believe all the points raised are excellent with the possible exception of the ear lobes which I personally prefer with at least some red rather than all white, as the red seems to be a strong characteristic of this breed and should be preserved.

I fully agree that the Standard should be specific so one will know just what is required, for certainly now we are more or less at sea. After having visited the Palace Show in New York, I am more in doubt than ever especially in regard to Cockerels and Cocks.

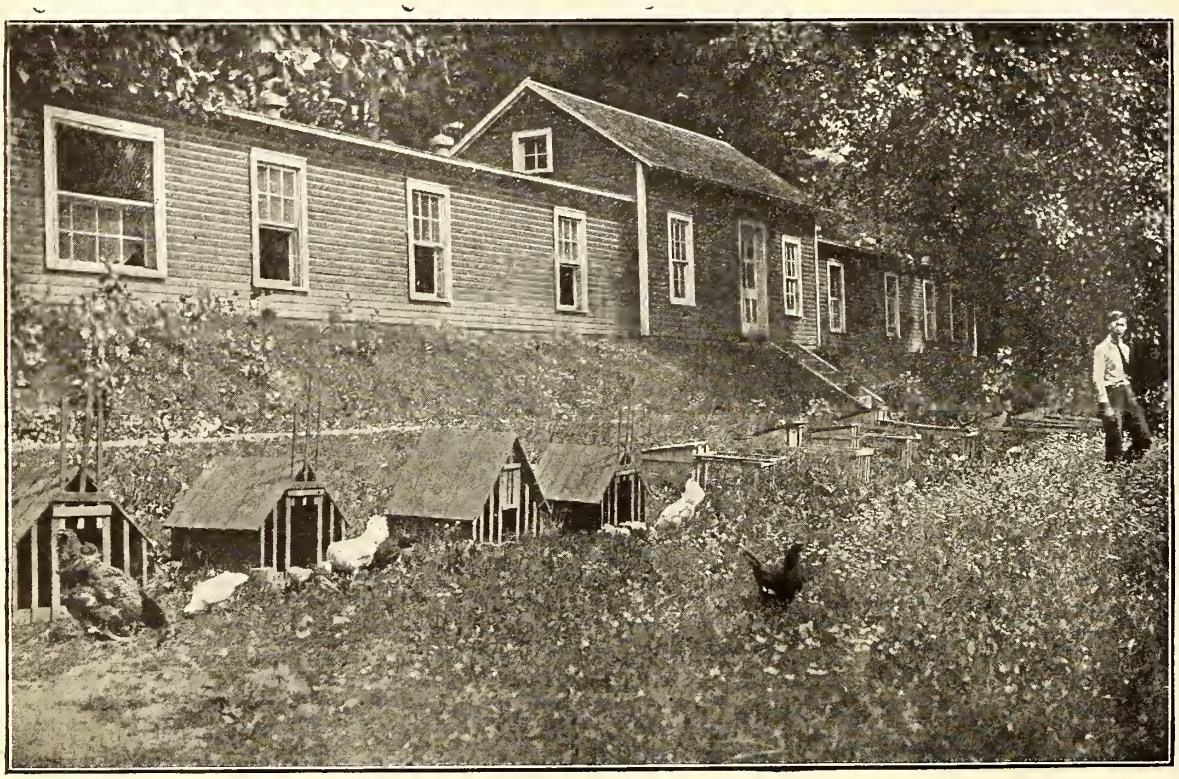
I discarded several cockerels, as "no good" before going to this show, but now have reinstated them, in fact, I purchased the first prize cockerel and third prize pullet to compare with my own birds, as the old standard was so vague as to render it practically useless.

Thanking you for this courtesy extended to the A. B. C., I am

Yours very truly,
L. H. Sturtevant,
Quincy, Mass.

THINKS DISQUALIFICATION ON LOBES TO SEVERE AT PRESENT

As to personal opinion, mine is such: Male comb, should be a trifle more erect in spikes, not quite so open, back spikes a little higher, but not higher than other spikes, and last spikes single and a trifle wider and meeting in back. Forward part of comb or single part of comb showing a few small upright spikes. As to size and placing of comb on head, very good, but taking No. 2 cut, side view of back



A familiar scene at Turtle Point Farm, "The Home of Leghorns", Saratoga Springs, N. Y. While incubators and brooders are used extensively they also hatch and brood large numbers of chicks by the natural method. The varieties specialized in are S. C. White, R. C. White, S. C. Brown, R. C. Brown, Black and Silver Leghorns. As producers of quality in these varieties one has only to refer to their show record to see what degree of success they have attained. Their winnings include such shows as Madison Square Garden, Boston and Chicago, and are given complete in their 1914 catalogue that is sent free upon request.

of comb should be carried upward to form the side of the cup same as the sides do, making the cup shape round and like a tea cup would be viewing same from all sides and not set out so far over head in back.

Ear lobes in both males and females I agree with Mr. Schilling, and on my return from New York Club meet have talked with many other older poultry heads and all seem to agree that the ear lobe should be either all white or all red. The writer has no preference as to which color, but does think a disqualification on lobes at present is a little stiff on the breeders just now, especially until this point is settled for good.

The female comb I consider wrong, same should be smaller in size, single part to run well back on head, and then to form small cup about over the eye, cup to be same as in male only a miniature in size.

Feather markings and the place on body they should be I do not think can be improved on any, except that same is made to read correctly in the revised standard, that they be allowed on the stern fluff and sides of female and female to have a clear breast.

Very truly yours,
E. L. R. Perry, Jr.,
Lexington, Mass.

WANTS MARKING ON FLUFF OF FEMALE

Yours of the 6th received, in which you ask me to give my opinion of the drawings in the November AMERICAN POULTRY WORLD. Personally, I prefer the white ear lobes, especially on the male. Also I like the comb in the drawing better than the comb in our present Standard, which I consider a trifle wide, and the spikes should be a trifle more erect.

The comb of the female in the drawing is preferred, as our Standard has it a trifle too flat. I prefer the comb on the female to resemble the male, only smaller. The Buttercup female seems to show the most difference in color. Some breeders have different colors, and a wide difference of lacing and spots.

I think No. 4 in the drawing would make an ideal feather to breed to. My idea of female is: Golden Buff, well marked on back with black; clear breast and neck, but I think that spots should be allowed in the fluff, or there will be a tendency to breed too light in females.

Yours respectfully,
H. W. Court,
State Vice-President of
American Buttercup Club.
Kewanee, Ill.

SUGGESTS KEEPING BREAST AND FLUFF PLAIN GOLDEN BUFF

I think that the Standard as now adopted by the A. B. C. is wrong. I wrote to Mr. Tillinghast in regard to the true markings and color of male and female Buttercups and he referred me to the A. P. W. November number which I think will be a great help to us all.

I like the white ear lobes better than the red and white or clear red, have some of all. As to feather markings I have four pullets with ideal markings as per No. 4. The combs while not being ideal are very good and I would say by all means keep the breast and fluff a plain golden buff. I think it would be advisable for the A. B. C. to appoint a committee to take up this matter and decide definitely for feather No. 4 plain breasts and fluff, and feather No. 15 in male. Comb to be cup shape and surmounted by erect spikes. Ear lobes white predominating.

Yours for better Buttercups,
G. V. Potter,
La Porte, Ind.

PREFERS RED OR RED AND WHITE LOBES

Male Comb—Cup shape as possible, not a V or furrow way through. Some points sticking up from edge of head or cup. Color, a light golden red or yellowish red on top. Breast buff, not a blackish breast and no black spots on wings as recently thought best at the meeting in New York. Neck hackle, golden or yellowish. Tail may have some white; ear lobes red and white combined or all red.

Females—Buff or yellowish, general color—speckled on back not penciled. Breast plain.

Yours faithfully,
Chas. Carroll Loring,
Dedham, Mass.

BEST FEMALES SHOW MARKING ON FLUFF

Mr. Schilling is to be commended for his attempt in this direction, especially in his description of the feather marking. I too think that the black spangle should be the ideal mark on the feather of the female. This would give us something definite to strive for. At the present time the standard reads: Back, golden buff, mottled with black. Breast lighter shade or buff, plain color, Fluff still lighter shade or buff, plain color. Could anything be more indefinite than this, unless it is the latest addition, from the Secretary, "Our best bred females show the black spots on fluff same as on males?"

Yours very truly,
Frank L. Richardson,
Kingston, N. Y.

WANTS A SCORE CARD SYSTEM FOR JUDGING

Referring to your article concerning the Buttercup standard, I would say that if the Club adopts a definite standard and publishes some good ideals in their next catalogue I will be satisfied as I have all colors in my flock and can breed up to any standard, but I want to know just what to breed up to.

The last standard would fit most anything and as a whole is good for nothing.

I also hope the Club will adopt a score card system of judging giving the comb a good number of points.

Hoping for a real standard, I remain

Respectfully,
A. L. Brown,
Fitchburg, Mass.

DOES NOT LIKE COMB ILLUSTRATIONS, PREFERS RED LOBES

I don't like the comb of ideal Buttercup male and female. I think that the front spikes on comb should have at least two spikes before the comb branches to make the cup. I don't think that we should have any definite number of spikes stated in standard so long as the comb and spikes stand erect and form a good cup. I am not in favor of white ear lobes. I prefer a larger comb in both male and female than the suggested Buttercup ideals, as a large comb is a sure sign of vigor and good laying qualities.

Respectfully,
A. E. Osborne,
State Vice-President American Buttercup Club, Desota, Ga.

WANT FEATHER NO. 4 MODIFIED TO GIVE MORE OF A SPOTTED EFFECT

In description of male comb I favor the wording surmounted by erect spikes, I also favor the red and white

Silver Penciled Wyandottes
For Choice Stock Write
HOARCE HAVEMEYER, STAMFORD, CONN.

Armer's Buff Rocks Have been winners this Fall and Winter at many of the big shows. At Madison Square Garden, Dec. 26th to 31st, 1913 1st and 3rd cock, 1st and 4th hen, 1st and 4th pullet, 3rd Pen. Write for mating list.
FRED ARMER, *BALLSTON SPA, N. Y.*

COLUMBIAN WYANDOTTES
Palace Winners 1913. Splendid exhibition and breeding birds for sale. Hatching Eggs. Circular Free.
HORSESHOE POULTRY YARDS, HICKSVILLE, N. Y

EGGS! EGGS! EGGS! EGGS! EGGS!
S. C. WHITE LEGHORNS *R. and S. COMB REDS*
$1.00 to $3.00 per 15 Eggs, can supply a few more chicks after May 20th. For our winnings, see page 413 March number of A. P. W. Mating list free.
POULTRY DEPT., EAGLE BAY FARM, F. A. House, Mgr., SILVER CREEK, N. Y

ROSE and SINGLE COMB R. I. REDS---Princess Strain
Allowus to sell you a setting of eggs from Pen 1, headed by "Criterian II", 1st cock at Greater Buffalo Show, or a setting from Pen 2, headed by 1st cockerel, shape and color special at Flower City Show, Rochester, N. Y. Every bird in these two pens are show winners, selected from N. Y. State Fair, Buffalo and Rochester winners. Quality grand, prices very reasonable. 1914 Mating List ready. Write WADSWORTH & CASTER, Cockerels and Stock for sale.
RED-W-FARM, Box "C" WOLCOTT, N. Y


This is the type of Campine female mated

The Best Flock of
White Leghorn Females
In America

Strong assertions. Send any judge or come yourself and if we don't convince you we will not ask you for your

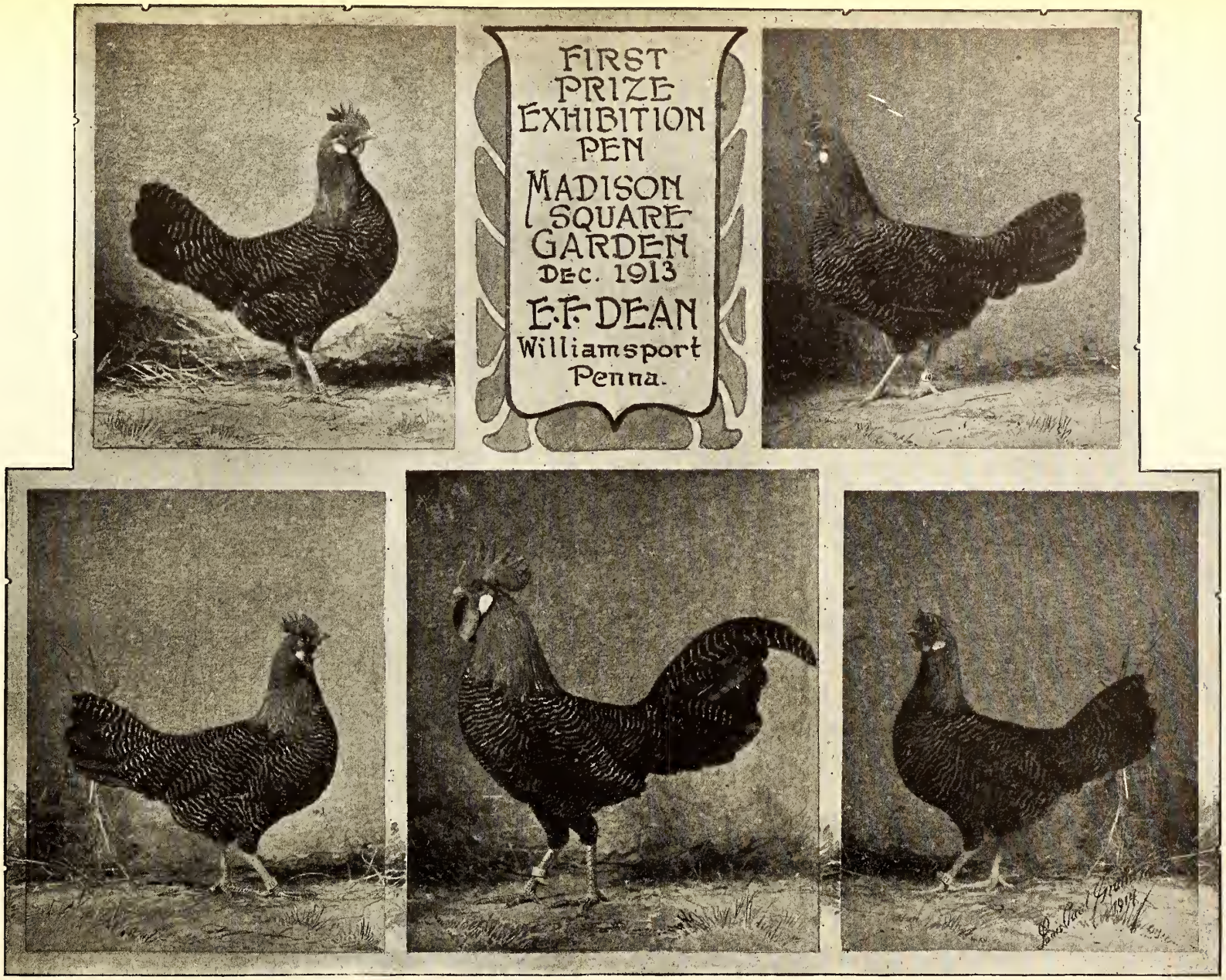

This is the type of Leghorn males mated

EGG ORDERS

Some of the largest breeders and exhibitors of Leghorns in America, some of the best known judges and Poultry Authorities and Hundreds of customers have visited us—and bought eggs—this season and invariably they say "The best lot of Leghorns I ever saw." Breeders are large, true to type and color. You cannot afford to set eggs from any other flock. We returned nearly $1,000 00 last season. Order today, you cannot make a mistake. Eggs Pen 3 to 8, $5.00 per setting. Other Pens $3.00. Utility $9 per 100.

DICTOGRAPH POULTRY FARM K. M. TURNER, Owner **WEST NYACK, N. Y.**
MEMBER; All Leghorn Clubs, V. Pres. Am. Campine Club, V. Pres. Am. White Faverolle Club.

INDIAN RUNNER DUCKS **BARRED PLYMOUTH ROCKS**
English Penciled (Cumberland) Indian Runners, the real Runners. Prolific layers of large white eggs. Won firsts and cups at the largest shows. Rocks bred for heavy egg production, everlasting layers, not show stock. Hatching Eggs, both breeds.
MRS. ANDREW BROOKS, Brookhaven Farm, R. F. D. No. 6, AUBURN, N. Y.



Handsome as is the above illustration of Golden Campine blue ribbon winners at Madison Square Garden, December 26-31, 1913, it does not do justice to the beautiful color markings of the birds. The beautiful combination of rich Golden and greenish black markings have to be seen to be appreciated. In addition to the splendid markings and correct shades of color, the specimens in the above pen possessed fine type and style. It was probably the best exhibitiou pen of the variety that has been shown in America. The pullet in the lower left-hand corner was pronounced by Campine experts to be the best Golden Campine male or female that has been produced to date. E. F. Dean of Williamsport, Pa., is the fortunate owner of this splendid pen. In addition to 1st pen, Mr. Dean's entries won 1st and 2nd cockerel; 1st hen; 2nd cock; 2nd pullet; six prizes including three firsts on eight entries. Campines are noted egg producers, being prolific layers of large chalk-white shelled eggs. In Belgium they are called "ever lasting layers." The Golden variety is very vigorous and hardy, the chicks are thrifty and mature early, many pullets laying when they are less than five months old.—Wm. C. Denny.

ear lobes. I am decidedly against all white. In my estimation the feather of the female Buttercup as it lies in natural position on the back, each feather shows two distinct black spots, this is not lacing or barring but conforms to the present standard of well defined black spots. I have birds with feathers as your ideal illustration No. 4, but my ideal is more of a spot rather than so much of a barring effect.

Yours respectfully,
M. A. Roos, Buttercup Specialist
Garrettsville, Ohio.

FAVORS PLAIN BREAST, FEATHER NO. 4 AND WHITE EAR LOBES

I think that Mr. Schilling has hit the nail on the head. He has illustrated the ideal comb for both male and female. I am also in favor of the white ear lobe instead of the red. The type or color of feathers given by Mr. Schilling in No. 4, I believe to be the correct one. I am in favor of the plain breast. I have both the plain and mottled breast, and after comparing the two carefully I am decidedly of the opinion that the plain breast is the more attractive.

Chas. Worrick,
Schoharie, N. Y.

PREFERS MOTTLED BREAST

I am in favor of cuts of combs also No. 4 and 6 feathers as the right feather marking for female back. I would prefer a mottled breast, yet I have some good clear breasted birds. A marked breast is prettier, the cock to be red except black tail. Wing flight feathers black. Mottled under long hackle feathers on shoulders, some dark markings under tips of wing flights and upper thighs.

Yours truly,
H. C. Knopp,
Rocks, Md.

PREFERS THE LIGHT RED MALE AS BREEDER

Illustration No. 4 in the November AMERICAN POULTRY WORLD is our ideal feather marking for female with clear breast and fluff. The combs as illustrated are good. We prefer ear lobes to be red. Some breeders like dark red males, after manner of R. I. Reds, while others take to a lighter shade. From our experience we produce a better shade of buff female when mated with the lighter colored male.

Respectfully yours,
Highland Buttercup Yards,
H. H. Morgan,
Springvale, Me.

Mrs. Geo. Mitchell, Camas, Wash.—I am in favor of white ear lobes for Buttercups as there seems to be more of them marked that way.

Carrie Barnum, Danbury, Conn.—I agree exactly with Mr. Schilling's suggestions for ideal comb and standard color markings of Buttercups and like the white ear lobes much better than the red.

Mrs. J. E. Lovett, New Jersey—The only suggestion I have to make in regard to Standard is a change in wording in description of color of male. "Brilliant red" implies scarlet or cardinal, and I would suggest using the words mahogany color instead.

E. Brauchle, Freeport, Ill.—What I object to the most in the old standard is the demand for 2-3 red ear lobes. That is contrary to the Standard of all Italian or Mediterranean chickens. The Sicilian Buttercups belong to this class.

D. W. Olinger, Milton, Ore.—White ear lobes I find are more frequently seen than the red ones, and I know that it will be much easier to breed these than the red ones, and I like the looks of them far better on the bird.

E. R. A. Hunt, Lansing, Mich.—By all means keep the ear lobes red and allow no black markings in the breast of the female.

I think the comb of the female is standing a trifle too straight as it is shown.

Mrs. H. J. Carr, Barre, Vt.—I find that many of what are, in my judgment, my best marked birds, are apt to show markings on breast as well as back. This I do not like, but on the other hand my clear breasted birds are likely to be laced rather than barred.

WHEN THE BABY CHICKS ARRIVE WHAT WILL YOU FEED 'EM?

The sale of day-old chicks has placed the pleasures and profits derived from raising poultry within the reach of many to whom it would be out-of-the-question, if they had to hatch the chicks themselves. These chicken-raisers as well as the rest of us older and more experienced poultry breeders—have found that the hardest problem, after receiving the chicks, is to make them live through the first ten days. Many hundreds of thousands of chicks are lost each season during this first critical period because of bowel troubles. This is due, in most cases, to improper feeding. Young chicks, turkeys, pheasants, ducks, etc., have delicate digestive organs and they cannot readily absorb and assimilate corn meal and other improperly balanced feeds. They need something especially prepared and balanced with the proper ingredients to regulate and strengthen their delicate organs until they are old enough to "switch" on to grain feeds.

For about thirty years, Mr. F. P. Cassel of Lansdale, Pa., has been saving thousands and thousands of chicks' lives for poultry raisers all over the country with his specially prepared "F. P. C. Chick Manna". This food is intended to be fed to young fowls only during the first ten days or so after hatching. It is composed of only the best ingredients that have nutritive value or aid in preventing diarrhoea and other chick complaints. No material is used to give F. P. C. Chick Manna useless weight or bulk. It is an honest, complete chick food and tonic sold at an honest price. Many prominent poultrykeepers endorse this chick food. Michael K. Boyer, the eminent poultry editor, says:—"Chicks not only like F. P. C. Chick Manna, but they thrive wonderfully upon it." F. P. Cassel & Son, Lansdale, Pa., are the sole manufacturers and will ship direct to our readers if the local dealer does not carry this chick food in stock. Write today to them for their special introductory offer of F. P. C. Chick Manna by Parcel Post.

FAIRVIEW MATING LIST

In addition to a beautiful catalogue, Guy Daily, Jeffersonville, Ind., breeder of "Fairview" White Rocks, has issued a mating list of 32 pages describing his 25 choice matings for 1914 and giving such other information as the prospective purchaser of hatching eggs is sure to appreciate and value. Mr. Daily makes a very broad guarantee, one that is both fair to the customer and to himself. All readers contemplating the purchase of White Rock eggs for hatching should procure copies of both Mr. Daily's catalogue and mating list before placing their orders elsewhere.

O. K. LITTER

We are advised by the O. K. Litter Co., Dept. 172, 157 Water St., New York City, that they are more than 1,000 bales behind in their orders and that the only trouble they experience with the O. K. Litter is the difficulty of keeping it in stock. They make many strong claims for O. K. Litter and state that no other material in any particular, equals it as a litter for all sorts of poultry houses or in brooders. They claim that everything considered O. K. is cheaper in the end than any other litter procurable. Better write them today for a free sample and prices.

MEIRS' S. C. BROWN LEGHORNS
First prize winners at Madison Square Garden, Philadelphia, Allentown, Hagerstown, Scranton, Williamsport and other leading shows. Eggs from pens containing winners $5 per set.
C. O. MEIRS, BANGOR, PA.

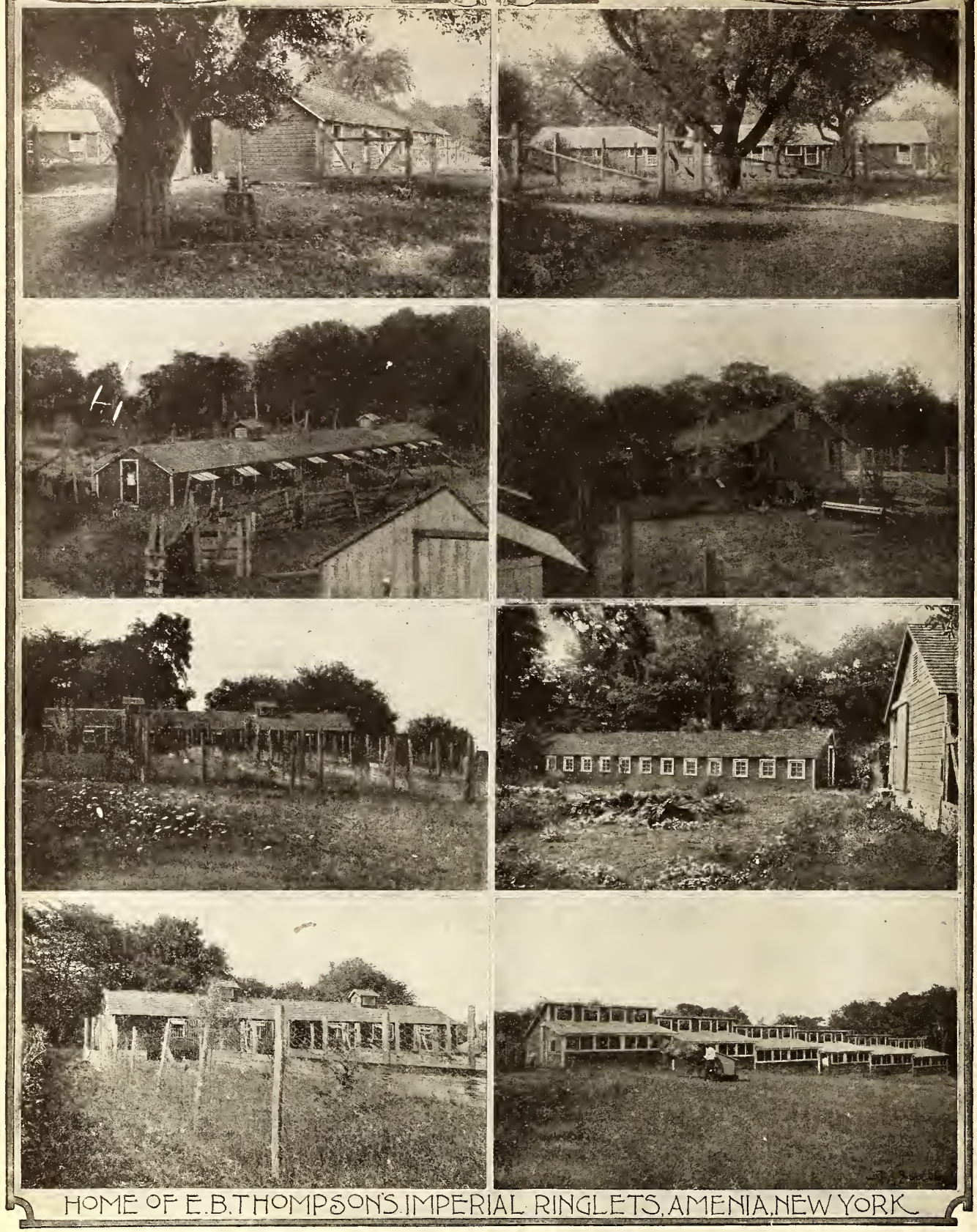
Whitney & McEwan, breeders of
"LORDS BUFF WYANDOTTES"
EGGS from the same matings as we use for ourselves $5 and $10 per setting. Send for mating list and winnings at the Big Albany, 1913, Show.
WHITNEY & McEWAN, ALBANY, N. Y.

W. J. Caines, Box 64, Richmond, Va.
SPECIALTY JUDGE
All varieties of CORNISH and GAMES.
Correspondence Solicited.

S. C.—THE CRIMSON STRAIN—R. I. REDS "Watch the Sunlight, glisten on those Crimson backs." The strain with quality, vigor and vitality. The strain that **pays its way** and **wins its way.** Look up my record this season at New York State Fair, Albany, Syracuse and Rochester, N. Y., Shows. Then if you want quality in Reds—Stock or Eggs for Hatching, write Yards at Greenway.
CHINA HANCHETT, Box W, VERONA, N. Y

SUNNY SIDE STRAIN
SINGLE COMB WHITE LEGHORNS
Have been bred for years on free farm range from carefully selected matings, and stand today as second to none, in **constitutional vigor, standard requirements** and **egg production.** Reputations have been made with this line. Don't you want its assistance?
I have for sale **20 choice breeding cocks—20—at $5 to $15, also several utility cockerels at $3 to $5 each. 50 Utility Pullets, many now laying at $1.50 each. Sunny Side Leghorns** have an interesting show record. One of these males will add quality to your flock. Write your wants today.
G. L. WHEELER, Box W, PENN YAN, N. Y.
ORIGINATOR SUNNY SIDE S. C. WHITE LEGHORNS

FERNBROOK FARM WHITE WYANDOTTES MAMMOTH PEKIN DUCKS AND FAWN AND WHITE RUNNER DUCKS WIN
At the Big Albany Show, 1913, in strongest competition. At Madison Square Garden, December 1913, Our Pekins won 4 out of a possible 5 firsts. 1 Old Drake, 1 Old Duck. 1, 2, 3 Young Drake, 2, 3, 4 Young Duck, 1 Pen. All Specials except one. Grand Sterling Silver Cup for Best Pen, all varieties competing. Cash Special for Best Exhibit. Choice Cockerels and Drakes for sale. White Wyandotte eggs from exhibition matings $3 and $5 per 15. Utility eggs from greatest layers in existence $10 per 100. Baby Chicks $18 per 100. Pekin eggs from all star mating headed by 1st open and special drake and 1st pen drake $10 per 11. Other New York and Albany winners $3 and $5 per 11. Utility eggs from mammoth stock $10 per 100. Baby Ducklings $25 per 100. Exhibition Runner Eggs $3 per 12, $8 per 100. Ducklings $20 per 100. Satisfaction Guaranteed.
FERNBROOK FARM, Arthur C. Bouck, Mgr., Menands Road, ALBANY, N. Y.



HOME OF E.B.THOMPSON'S IMPERIAL RINGLETS, AMENIA, NEW YORK

The modern equipment of the poultry houses here illustrated was designed to meet the needs and insure the comfort of the birds, so that their health, vigor and productiveness would be of the best. The next necessary consideration was to make it convenient for those who clean the buildings and feed and care for the fowls. It was also necessary to save as much time as possible. We saw the fine condition of the inmates, we noted that each bird worked as if every day was her busy day and we saw even in the hot summer the large number of eggs that were carried out and we felt these things were the best proof that E. B. Thompson's poultry houses are the result of mature study of what goes to make a successful poultry house. They tell plainly that nothing is too good for the "Imperial Ringlets". —F. L. Sewell.



Acres of White Plymouth Rocks are in evidence in the above illustration of a corner of the well known poultry farm of U. R. Fishel, Hope, Ind. This is said to be the largest exclusive White Plymouth Rock farm in the country, and its product is known as "The best in the world strain" in all parts of the country. At the present time Mr. Fishel is busily engaged in filling orders for hatching eggs and day-old chicks. Full information regarding this plant, stock and show records is contained in literature that is sent free upon request.

HALBACH'S CATALOGUE FOR 1914

H. W. Halbach, Waterford, Wis., has established a very enviable reputation as a breeder of White Plymouth Rocks of high quality. Mr. Halbach is one of those who believes that a thing worth doing is worth doing well and it is this policy that has led to his success as a breeder of White Rocks. In preparing his catalogue for the season of 1914, the same policy has been pursued with the result that the same high quality is manifest in the completed book as is evident in his birds. The catalogue consists of thirty-two pages with a beautiful green cover on which the farm name, etc., is embossed in gold, making a very striking combination. It is printed on highly calendered paper and is profusely illustrated with views of the farm and photographic reproductions of many of his recent winners.

Besides giving complete information in regard to prices of stock, eggs, etc., it contains many valuable chapters that will be appreciated by all that are fortunate enough to secure a copy. Among the different subjects treated are, Mating White Rocks; Care of the Breeders; Raising Chicks, etc. In treating these subjects Mr. Halbach has drawn on his long experience as a successful poultry breeder, therefore what he has written should be of exceptional value to all breeders of White Rocks.

Taken as a whole this is one of the most interesting and valuable catalogues received to date. Owing to the enormous cost to publish, a charge of of 10c per copy is made. Better send for a copy today and mention A. P. W. when writing.

TOMPKINS RHODE ISLAND REDS

A great many facts in regard to Rhode Island Reds in general, but Tompkins Rhode Island Reds in particular, are contained in the 1914 catalogue issued by Lester Tompkins, Concord, Mass. This catalogue differs in many particulars from the everyday catalogue of poultry and should prove interesting to any poultryman whether or not they are fanciers of Rhode Island Reds. It is not only profusely illustrated with reproductions of many of Mr. Tompkins' winners, but contains many line drawings that are pleasingly arranged in the margins of the several pages. To secure a copy of this interesting little booklet readers should mention AMERICAN POULTRY WORLD and write Lester Tompkins, Concord, Mass.

THE GREAT LEGHORN FARMS

At the **Great Ontario, Guelph,** December, 1913, our winnings were: R. C. Browns—3d Cock, 1st and 2nd Hen, 1st Cockerel, 1st Pullet. S. C. Buffs—1st Cock, 1st Pullet, 3rd and 4th Cockerel. S. C. Brown—1st cock, 7th Cockerel, **At Buffalo,** December, 1913: S. C. Blacks—2nd Cock, 1st and 2nd Hen, 3rd and 4th Cockerel, 5th Pullet. We have a fine lot of birds for sale—Cocks, Hens, Cockerels and Pullets. **Eggs for Hatching.** Send for circular.

HENDERSON & BILLINGS - - - ST. MARYS, ONTARIO

WHITE PLYMOUTH ROCKS

Highest quality, utility stock, finest show stock. Cockerels for sale, $3.00 up. Eggs from Pens No. 1 and 2, $2.00 per 15; from my finest show stock, a few only at $3.50 per 15. Satisfaction guaranteed. Order early.

THEODORE POOLE, Emma St., SYRACUSE, N. Y.

ANDERSON'S R. C. RHODE ISLAND REDS

Again win at Central Palace Show and Greater Philadelphia, six regular prizes besides shape and color specials. A grand lot of youngsters to dispose of that will improve your flock at right prices.

ANNESLEY M. ANDERSON, Box W, MORTON, PA.

FIREFLY WHITE LEGHORNS AND R. C. REDS

BABY CHICKS! BABY CHICKS!

We are making a speciality of ***S. C. White Leghorn Day-Old-Chicks*** and can furnish buyers with big, lusty, vigorous chicks that will live and grow. Our stock is right and our prices reasonable. Send for advertising matter before placing your order.

We also breed high class exhibition ***R. C. Rhode Island Reds*** and will spare a limited number of hatching eggs from pens containing our winners at 1913 New York Palace Show.

FIREFLY FARM, E. W. Phelps, Prop., Box S. GUILFORD, CONN.

AURORA COLUMBIAN ROCKS



Winners at Madison Square Garden, January 1913 1 hen, 2-4 cockerel, 4 pullet. Greater Buffalo Show, Nov., 1913:—2-4-5 cockerel, 2 5 pullet, 2-3-4 pen, 5 cock, 5 hen.

AURORA COLUMBIAN ROCKS are grand winter layers, grow rapidly and meet the requ rements of the best dressed poultry markets, also possess standard requirements that places them among the winners at leading exhibitions.

Have mated a few select pens for the season of 1914 and will spare a limited number of eggs at $5 per 15; $7 per 30. Orders booked and delivery made in rotation. If you want the best, write

LEW H. BOWN, Box W, EAST AURORA, N. Y.

McAVOY STILL IN THE POULTRY BUSINESS

[Continued from page 465]

the Meadville Daily Messenger, that may be of interest to you, as I notice by your January number an article about this same man.

"Do you think that this looks as though he was going to quit the business?

"Respectfully,
"Dale Pringle."

Underneath the title heading on the first page of the Daily Messenger appears these words:

"Meadville's Clean and Progressive Newspaper; a Paper for the Home."

Naturally the owners of the Daily Messenger of Meadville might not know about McAvoy's long-time and persistant rascality, but the United States postal authorities DO KNOW and they ought to begin again where they left off last December at Utica and finish the job.

ALSO AT WILLIAMSPORT, PA., AND VICINITY

Here is another letter that has reached our desk, the contents of which are of interest in this case:

"Williamsport, Pa., March 21, 1914.
"Editor American Poultry World:

"I enclose you herewith a clipping from the Gazette and Bulletin of this place. This advertisement, sent by E. F. McAvoy, of Cambridge, N. Y., attracted my attention the first day it was run and I took up the matter with the paper at once, presenting to them copies of your paper for last September, December and January.

"After reading over the information contained therein, they could do nothing else but assure me that the advertisement would be discontinued. It had been published but twice on an order for twenty-six insertions. It was also published once in our evening paper, the Williamsport Sun.

"I trust that you approve of my using your paper for this purpose, and we have to thank your valuable publication for being the means of stopping this man's ad in this locality.

"We have a member of our association who has won blue ribbons on Houdans at some of the shows that McAvoy names, doing so within the last six years, who will make an affidavit that he has absolutely no Houdans of McAvoy's strain.

"Yours very truly,
"Geo. J. Hanks,
"Secretary."

Mr. Hanks is secretary of the Williamsport Poultry, Pigeon and Pet Stock Association and the letter quoted above is written on the official letter head of this association. McAvoy simply lies, boldly and shamelessly, when he claims that Houdans of his strain "have won every blue ribbon at New York, Boston, Chicago and Philadelphia shows for the past six years" and he knows it. We congratulate Mr. Hanks and his fellow members of the Williamsport Poultry Association on acting promptly in this matter, thus protecting their locality from the sale of comparatively worthless Houdans which McAvoy buys up wherever he can get them, at low prices, and then resells at much higher prices, claiming them to be wonderful layers, high scorers, etc. We have plenty of evidence in hand covering this phase of the case and the postoffice authorities are welcime to it whenever they call for it. It is a feature of this man's rascally work that ought to be investigated by the postoffice authorities without any further delay.

ANOTHER POULTRY OFFICIAL ACTS PROMPTLY

Under date March 19, 1914, E. E. Endsley, superintendent of the Fayette Poultry Association, Uniontown, Pa., wrote us as follows:

"I just learned yesterday that E. F. McAvoy, Houdan breeder, Cambridge, N. Y., had started a classified advertisement in two of our local papers here at Uniontown. His advertisement, as attached hereto, entitled 'Faultless' Houdans, appeared in the Morning Herald and in the Evening Genius.

"You may be able to realize my surprise and disgust on finding McAvoy's advertisement in our local papers and I assure you it did not take me but a few seconds to make up my mind to act. I went direct to the printing office of our local papers and placed McAvoy's case

S. C. Buff and White Orpingtons

S. C. Buff, White and Blue Leghorns, Buff Orpington Ducks, White China Geese, Eggs, Stock, Chicks.

Dunrobin Farm, Red Bank, N. J.

CANDEE INCUBATORS

AUTOMATIC—RELIABLE

Built in sections.
1,200 to 20,400 capacity.
Coal burning, hot water.
Used from coast to coast
For Custom Hatching and Baby Chicks.
Holds even heat.
Hatches stronger chicks.

Write for Free Catalogue

Candee Incubator & Brooder Co.
Dept. 3 EASTWOOD, N. Y.



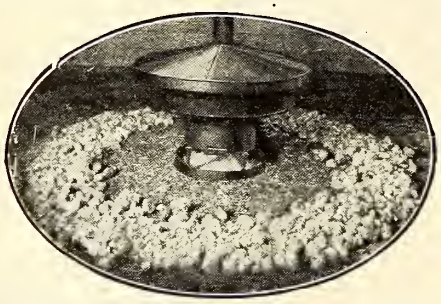
ORPINGTONS White, Black, Buff
WHITE WYANDOTTES
INDIAN RUNNER **DUCKS,** White, Fawn and White, English Penciled

Baby Chicks and Ducklings. 153 Prizes in 4 shows. A. P. A. Gold Medal. Stock and Eggs for sale. Fancy poultry for breeders a specialty. Write for special price list No. 56.

WOMAN'S COLLEGE, MERIDIAN, MISS.

LET PRACTICAL POULTRYMEN TELL YOU!

HOW THEY HAVE SAVED 30 TO 50 PER CENT. MORE OF THEIR CHICKS. WHY THEY ARE SATISFIED WITH THE SIMPLEX.



HOW THEY HAVE MADE LARGER PROFITS. HOW THEY HAVE SAVED TIME AND LABOR WITH THE SIMPLEX.

All Users Will Recommend The Simplex Brooder Stove—Let us send you their Testimonials. The whole secret of The Simplex Brooder Success is this:

NO WICK NO GAS NO FUMES NO SMOKE

and an Absolutely Simple Automatic Oil Regulator

The failure of many Brooders which have tried to imitate the Simplex should not prejudice you against this Brooder Stove, which is built upon the right principle and which has proved successful everywhere.

SEND TODAY FOR CATALOG AND TESTIMONIALS

SIMPLEX BROODER STOVE CO.

221 Fourth Street, Grand Rapids, Mich.

before them and, thanks to having some influence, both papers gladly cut McAvoy from their advertising list."

The thanks of all poultrymen in the vicinity of Uniontown, Pa., are due Mr. Endsley. First McAvoy used the poultry papers, until he was kicked out of every reputable poultry journal in the country. Next he started in on the daily papers of the big cities. Finally they threw him out in numerous cases. Now he is at work in the small dailies and country weeklies. Evidently if he were sent to state's prison he could be relied on to sell "Faultless" Houdans to the warden, or to his fellow inmates. The prospects are that some day he will get the chance to try this "last resort."

SAMPLE OF THE QUALITY OF BIRDS SHIPPED BY McAVOY

Previous to his indictment, arrest, arraignment and plea of "guilty," McAvoy sold to half a dozen or more persons pens of Houdans that he claimed had been turned back to him by a niece who had sailed for England "last Monday." He represented these birds to be high-scoring specimens, practically "faultless." When cornered he claimed that he had "six nieces," but of course this was a joke.

As illustrating the rank inferiority of many birds shipped out by McAvoy, we quote the following letter from one of his victims, a Mr. Watson of Louisville, Ky.:

"Louisville, Ky., Sept. 6, 1913.

"Dear Mr. Curtis:

"Yours of August 18th received. I thank you very much for your letter and glory in your spunk in exposing the poultry fakers and thieves. You ask for the details in my case against E. F. McAvoy of Cambridge, N. Y.

"I saw McAvoy's advertisement running in the Louisville Evening Times. I wrote him to know if he could ship me four pullets and a cockerel of March or April hatch, 1912. He wrote that he had sold all of his own, but that he had given his niece four pullets and a cockerel for a birthday present and that she left 'last Monday for England' and turned the chickens back to him. He said they were beauties and I could have them for $25.00; said that he would hold them a few days awaiting my reply.

"On September 13th, I sent him U. S. Post Office order for $25.00 and requested him to hurry them along. I waited two weeks and wrote him to know what the trouble was, and if he had received the money. No reply, but treated my letter with silent contempt. It began to dawn upon me that I was dealing with a thief.

"I wrote to the postmaster at Cambridge to know if the money order had been received. He replied, 'Paid to E. F. McAvoy on September 17th.' I again wrote McAvoy, cancelling my order and asked him to return my money. He paid no attention to me at all. I then wired him, also wrote him again, cancelling my order, telling him I did not want the chickens at any price. Then I went after the postoffice authorities at Washington.

"Now, not long after this, on January 11, 1913, there came to me by National Express, four hens and a cockerel. All of them were badly affected with roup and one of them soon died. One of the old hens had a very crooked leg—evidently broken in her infancy. I refused to accept the chickens and the express agent here so wrote McAvoy. McAvoy then wrote to me that I would have to accept them or nothing.

"You see I was about four months getting his niece's birthday present. I don't blame her for turning them back to him, as they were a sorry bunch. He wrote this same kind of a letter to two other parties a month or more later and his 'niece left last Monday for England' in each letter.

"Sincerely,

"W. W. Watson."

The above is a fair example of poultry transactions that McAvoy has been repeating, time and time again, during the last four or five years, to our personal knowledge. He is quick to collect the postal money orders and other remittances sent to him through the United States mails, but is slow indeed when it comes to shipping the birds. Worse still, when he does ship birds they are inferior, as a rule—are practically worthless as standard-bred fowl. All things considered, no one is safe in placing an order with this man McAvoy and all readers of AMERICAN POULTRY WORLD are hereby warned to that effect.

———o———

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S. C. White and Buff Leghorns

Eggs for Hatching Our 1914 matings of Monmouth Prize winners are producing eggs from which some wonderful leghorns will be hatched. Place your order now for one or more settings. Orders for eggs from our "20th Century Dual Purpose" matings accepted for 100 and 1000 lots. 85 per cent fertility guaranteed.

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More than 11,000 ordered before one line of advertising appeared. One poultryman, after test, ordered 50. One man, inexperienced, cleared $150 with one little hatcher in 5 months. **Results** — that's the answer. This is the first practical **all metal**, fireproof, everlasting machine ever produced. The **first** machine of its size with a perfect heating and heat distributing system.

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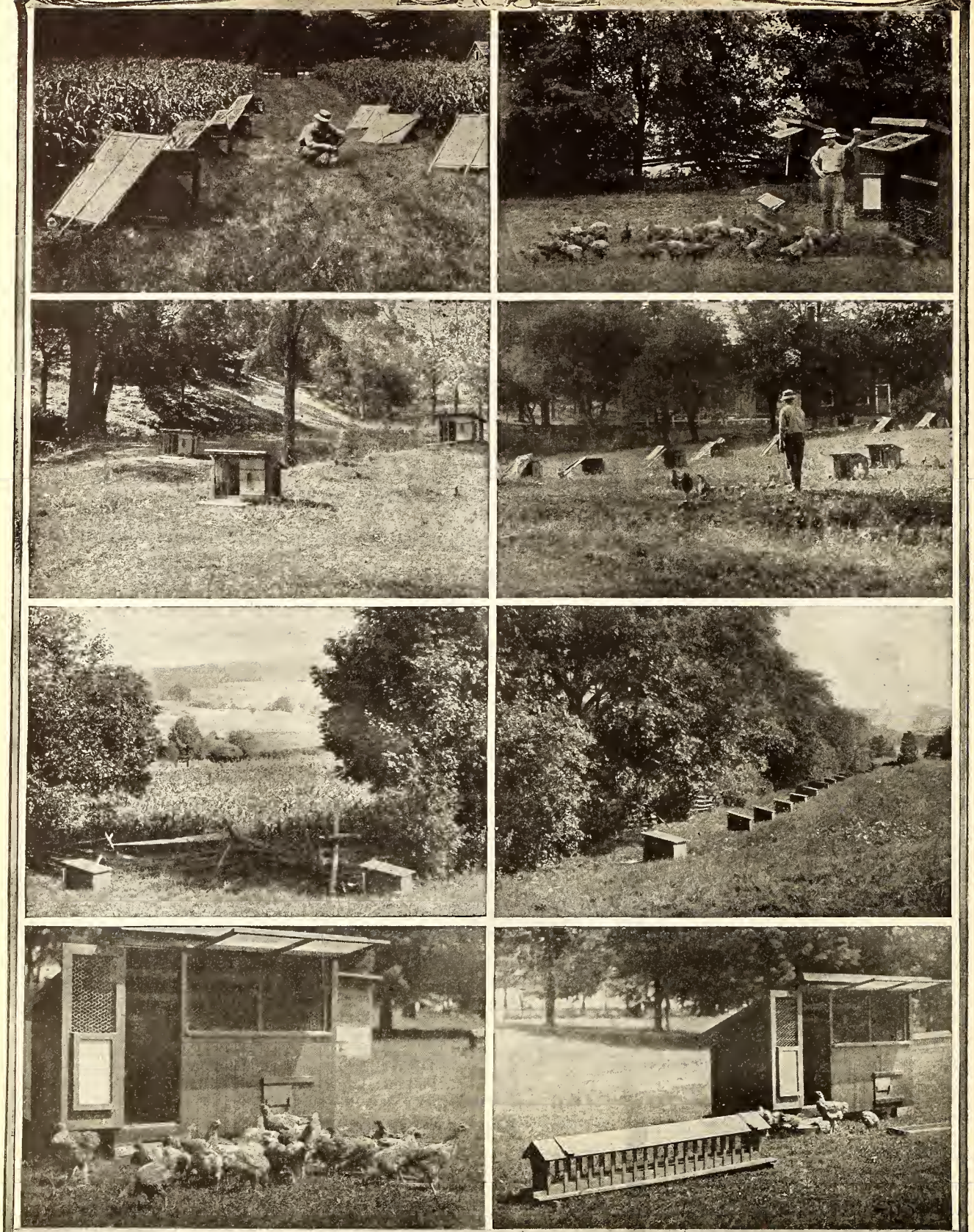
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SCENES ON THE IMPERIAL "RINGLET" FARM OF E. B. THOMPSON AMENIA, NEW YORK.

We know of no establishment in America where Nature is better understood or where growing chicks are given a better opportunity to thrive and become of exhibition quality than at the farm of E. B. Thompson, near Amenia, N. Y. The earliest eggs are hatched in incubators and reared in brooders. I saw a large orchard filled with these well-developed cockerels and pullets in August, from which show birds were being selected for patrons to exhibit at autumn fairs. The above picture shows parks and fields at the home of the "Imperial Ringlets," where broods were being cared for in August. One cannot imagine safer surroundings nor better care than is given by E. B. Thompson, assisted by his sons, Valentine and Walter, his nephew, John R. Thompson, Jr., and a force of able helpers. These pictures present only a small portion of the range, but readers can imagine the space that is needed to rear between two and three thousand birds. However, these comparatively few views of Mr. Thompson's place will help to answer the question how he produces the wonderful show birds that for 25 years have made so many sensational winnings at Madison Square Garden and other important exhibits. —F. L. Sewell.

QUESTIONS AND ANSWERS

EDITORIAL NOTE—This department will be devoted to answers to questions of general interest on practical poultry topics asked by subscribers and addressed to Editorial Department, AMERICAN POULTRY PUBLISHING COMPANY, Stafford Bldg., Buffalo, N. Y. Answers in this department are free of charge. Where two or more persons ask substantially the same questions, only one answer will be given. In asking questions try to send full information. The subscriber's name and address must be given [not for publication]. If a reply by mail is desired, be sure to enclose stamped addressed envelope.

TILE FOR BUILDING POULTRY HOUSES

Q. I can secure a good grade of cull building tile at a reasonable rate from a nearby tile yard. I would like to know if they would make as satisfactory a poultry house as one of wood, also do you advise cement or wood floors? S. U., Ohio.

A. If the tile mentioned can be secured equally as cheap as lumber, I believe they are preferable for building a poultry house, providing the construction is correct, that is, the building should be erected by some one who has a fair knowledge of masonry, so that all joints will be properly made and no cracks or crevices left for the air to penetrate, making fine drafts which we all know are fatal to successful poultry keeping. A building properly constructed of building tile should make a comfortable poultry house and on account of the dead air space in all walls they should not collect moisture like many of the modern buildings do. Of course much trouble from moisture can be charged to defective ventilation and to improperly constructed floors. The foundation for any poultry house should be raised several inches above the ground level to insure the proper drainage. When wood is used as a material for floors a generous space should be left underneath for the circulation of air. In case a concrete floor is decided upon a foundation of cobbles, cinders and gravel should first be put down, this should be of sufficient depth to bring the top of the floor on a level with the foundation, which as previously stated should be several inches above the ground level. Cement is preferable to wood for floors providing it is used as above directed; besides making a more lasting floor it is also rat and mouse proof, a very essential feature with any well constructed poultry house.

FEEDING CAYENNE PEPPER—WHITE OR BROWN LEGHORNS

Q. Is Cayenne pepper a good thing to give hens in the winter?

A. No. Cayenne pepper is a rank irritant and while it may act as a stimulant temporarily, it will do more harm than good if its use is persisted in.

Q. Which are superior the White, Brown or Buff Leghorns?

A. We take it for granted that you refer to the utility values of each variety and in this respect there is little to chose, providing each have been bred for egg production. To be sure there is some difference in the different varieties in this respect, but not any more than there would be in two flocks of the same variety where one had been bred and selected for egg production and the other had not. From a fancier's standpoint, the browns are the more difficult to breed, next come the buffs and then the whites.

Q. Can you advise me where I can buy a one or two acre farm with buildings in New York or New Jersey? T. L. W., New York.

A. Would refer you to the classified advertising columns, the real estate section of the agricultural papers or the Sunday edition of the big dailies.

ENLARGED CROP

Q. Please advise in the next issue

IVES' LANGSHANS "A GOOD STRAIN OF A GOOD BREED".
Consistent winners at the largest shows for many years. Elegant big COCKERELS NOW at very reasonable prices.
PAUL B. IVES, "Bonnycroft" GUILFORD, CONN.

Crown Bone Cutter
Hens fed cut green bone lay more eggs. Get a Crown Bone Cutter. Send to-day for catalogue.
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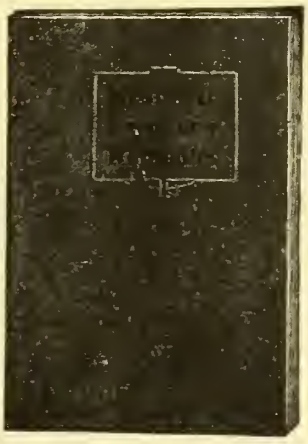
GOULD'S BLACK MINORCAS
First Prize and Silver Cup winners at Palace, New York City, and elsewhere. They are bred for EGGS as well as for FANCY POINTS and are MONEY MAKERS. COCKERELS, sons of Palace winners $3 and $5. Write TODAY for new mating list.
HAROLD W. GOULD, LAKE GROVE, N. Y.
THE ONE BEST PLACE

Save Those Baby Chicks
90 per cent of all chick losses are caused by the "babies" being either starved or overfed. No matter how many or how few chicks you may own, there is but way that they can be fed properly—and that is with a
Simplicity Kant-Klog Poultry Feeder
It feeds any chick food, is rat and sparrow proof—and it "can not clog." Always working; nothing to get out of order. Feed your chicks right—get a Simplicity Kant-Klog Poultry Feeder, price $1.25.

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nor have we tried. With the Simplex Perfection Feather Brooder you simply "follow nature." It has no artificial heat—just real "natural feathers" hovering the chicks in the same way as the hen—only better. There is no fire, no leg weakness, no smothering, no chilling, no overheating, no gases or fumes, no bowel trouble, no crowding, no fuel to buy or lamps to replace. Perfect in every way. 50-Chick Size $5. 100-Chick Size $7.50.
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A Poultryman's Hand Book of Tried and Proved Remedies for the Diseases of Poultry. It describes in simple language the symptoms of the various diseases and tells what remedies will give best results under different conditions.

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GET READY FOR THE GREATER BUFFALO SHOW THANKSGIVING WEEK 1914 PREMIUMS PAID IN GOLD

of AMERICAN POULTRY WORLD the cause and cure for a chicken that appears to have her crop full at all times. Crop is very large and is always bagging down, otherwise the hen is healthy and eats well. I feed all kinds of grains, including whole corn, cracked corn, scratch feed, oats, bran and table scraps. B. J. D., Ohio.

A. This is enlarged crop and is usually caused from overfeeding and sometimes from impacted crops that are allowed to correct themselves. The fowl probably suffers little inconvenience from this condition, but her appearance is not a source of pleasure to her owner. To correct the condition, pluck the feathers from a portion of the surface at the front of the breast and with a pair of scissors cut out a good sized piece of both the skin and the crop, after which the edges of both should be drawn together separately, that is first stitch up the incision in the crop and then the one made in the skin, keep the fowl on a light ration of soft food for a week, after which time the regular ration may be restored.



The beautiful Buff Rock cockerel, "The Potentate", is one of the **Sunburst** Strain produced by Vierheller Bros., Pittsburgh, Pa., who have established a reputation as producers of Buff Rocks of quality. Their ad will be found in another column.

DIRTY CRESTS

Q. I have some white crested chickens and I notice their crests are getting all yellow and dirty looking. Is there anyway to clean them? P. S., New Jersey.

A. The crests may be cleaned by washing. Get some lukewarm water and make a good suds with Ivory soap, and thoroughly wash the soiled feathers, after which rinse them carefully with clean water being careful to remove all the soap. Remove as much of the water as possible from the feathers with soft cloths, then place the specimen in a warm place until thoroughly dry.

LEG WEAKNESS

Q. I have some young chicks hatched January 21st, and up to a short time ago they were growing fine. Now while they continue to eat they meem to have lost the use of their legs, that is, their legs seem stiff and in trying to walk they stagger around. Having no brooder I have raised them in the house under a hen. I kept them in a nest box until this trouble arose, then I transferred them to a long low box. I have feed them as I have always fed other chicks on bird seed and pinhead oats, table scraps, alfalfa, grit and fresh water. Any advice that you can give to aid in relieving the trouble will be greatly appreciated by a new subscriber. Miss M. M. C., Ohio.

A. These chicks are suffering from leg weakness acquired from lack of exercise, by being kept in crowded quarters. Put them out where they can run a little, they will go under the hen when warmth is needed, also procure some finely ground dry bone and add it to the ration and see that they have plenty of scratching material, that is if any survive. Don't make the same mistake with your next hatch. Cases like this are much more easily prevented than cured.

BEST FEED, GOOD HATCH, ETC.

Q. What is the best feed for chicks to produce early development when they are wanted for fryers?

A. We are not prepared to say what the best ration is for quickly developing fryers as different feeders secure different results, therefore a mixture that might be declared the

JACOBS' STRAIN
Golden Wyandottes
Won at St. Louis, November, 1913, 1st cockerel, 1st, 2nd, 3rd and 4th pullet. At Chicago, January, 1914, 2nd and 3rd pullet. Eggs $2.00 per setting.
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KEELER'S WHITE WYANDOTTES
The World's Greatest Strain
Bargain prices on breeders during July and August. Special Sales List describing these Bargains. It's Free.
Chas. V. Keeler, R. F. D. No. 17, Winamac, Ind.

CROCKFORD'S
REAL WHITE RUNNERS
1913-14 winning Firsts at Brocton Fair, Providence, Grand Central Palace, Madison Square, Baltimore (Waterfowl Club Show) and Boston.
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Congdon's Barred Rocks
Bred for Utility and Beauty
Write your wants in Cocks, Cockerels, Hens, or Pullets. $2,000 invested, 20 years' experience. *INCUBATOR EGGS, $5.00 per 100, $40.00 per 1,000.*
NEW BOOKLET FREE
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Conkey's Starting Food *for* Baby Chicks
Is a ready prepared food that supplies the right elements for proper nourishment and vigor. Its use
Makes Chicks Sturdy
Prepares and strengthens them for regular ration. Saves trouble and worry.
Lessens Leg Weakness
Guaranteed to satisfy or money back. 25 lbs. $1.65, 50 lbs. $3, 100 lbs. $5.75. Small sizes 10c, 25c, 50c and $1.
Conkey's Lice Powder
Dusted on sitting hens rids them of lice and keeps chicks free from these disease breeding pests. 10c, 25c, 50c and $1 pkgs.
The G. E. Conkey Co. . Cleveland, O.

best by one feeder might not bring results in the hands of another. Generally speaking the commercial preparations put up for this purpose by the manufacturers of poultry feeds prove very satisfactory in the majority of cases and I would recommend that you refer to the advertising columns for the names of concerns manufacturing such feeds. On account of the large quantities of the different ingredients they buy and their familiarity with feed stuffs they are in position to put up a much better mixture than can be had at home.

Q. What do you call a good hatch from 200 eggs with an incubator?

A. This is rather a hard question to answer as eggs vary greatly in fertility and strength of the germ. Given good eggs with the average fertility of 85 per cent. to 90 per cent. I should say from 120 to 130 chicks could be considered a good hatch.

Q. How long should hens be kept for egg production only?

A. It is conceded generally that it is not profitable to keep a hen for egg production after she is two years old.

Q. What grains are necessary to make a hen lay? I. R. A., Ohio.

A. There are various rations recommended as being well adapted for egg production, but the food is not the only factor influencing the production of eggs. Management often has as much influence as the feed. Breeding also plays a very important part, there are some individuals that under the best methods of management and the most approved laying ration that would not produce over 50 or 60 eggs per year, while there are others that have been bred for egg production that would lay with the same care and feeding from 200 to 250 eggs per year. The difference in productiveness is being thoroughly demonstrated in the egg laying contests. The ration favored at the Connecticut Contest and the one that is being fed to all the varieties competing is composed as follows:

Grain Mixture—60 lbs. cracked corn, 40 lbs. wheat, 40 lbs. oats, 20 lbs. barley, 10 lbs. kaffir corn, 10 lbs. buckwheat.

Mash Mixture—200 lbs. bran, 100 lbs. corn meal, 100 lbs. gluten meal, 100 lbs. ground oats, 75 lbs. middlings, 50 lbs. fish scrap, 50 lbs. beef scrap, 25 lbs. oil meal, 25 lbs. charcoal, 8 lbs. salt.

CELERY TOPS AS GREEN FOOD

Q. Will you kindly publish in your next issue what value if any, celery tops possess as a green food for chickens and if it would be allright to feed them?

A. We have never had any experience with celery top alone as green food, but have always made a practice of giving all greens from the kitchen to the fowls and celery tops have often been included, but regret to say that we have never observed whether they were eaten or not. Can not see any reason why they should not be of some value. Perhaps some of our readers have had experience in this direction. If such is the case will appreciate hearing from them.

RED-W-FARM

The mating list for the season of 1914 for Red-W-Farm, Wadsworth & Caster, proprietors, Wolcott, N. Y., is now ready for mailing and will be sent free to all readers of this journal upon application. It will be appreciated both by the above mentioned breeders and the publishers of A. P. W. if this paper is mentioned when making application for the list. Besides describing six matings of Rose Combs and three matings of Single Combs, they also give their winnings during the past season. It contains a great deal of information in regard to their birds and the origin of the "Princess Strain" as they choose to call them. Red fanciers should not fail to get a copy of this mating list.

THE SECRET OF FERTILE EGGS

No incubator can produce good baby chicks unless the hens that lay the eggs are in the very best of physical condition. Exercise is one of the most important elements in producing not only numbers of eggs, but fertile eggs. One of the most successful devices for compelling the breeding stock to take exercise is the 6 in 1 Exerciser-Feeder, manufactured by the Hover-Incubator Mfg. Co., Box 611, Brown's Mills, N. J. It not only scatters the grain automatically but contains compartments for shells, grit, dry mash, charcoal, beef scraps, etc. Every poultry raiser, large or small, should investigate this device. It is on sale by all up-to-date poultry supply dealers.

BOWN'S COLUMBIAN ROCKS

Few varieties of poultry possess more strong points than the Columbian Plymouth Rocks. Their beautiful feather markings appeal at once to the lover of the beautiful, while their sterling utility characteristics recommend them to the utility breeder. Lew H. Bown, East Aurora, N. Y., has built up a fine flock of this variety and is offering eggs for hatching from a few very select matings. Mr. Bown also breeds Silver Campines and will be pleased to hear from AMERICAN POULTRY WORLD readers that are interested in either variety.

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MOORE'S SINGLE COMB REDS

Bred-To-Lay and Show, won 3 firsts, 2nd, 4th and color special at Washington, 1914. Great winter layers—best exhibition type. Guaranteed eggs, $2 per 15, $5 per 50, $8 per 100. *Write for Circular.*

CHARLES S. MOORE, Station A, WASHINGTON, D. C

HOLMWOOD'S COLUMBIAN ROCKS



AN ESTABLISHED STRAIN of healthy, vigorous, prize winning birds, raised on *free range*. Our latest winnings—Buffalo, Jan. 1914 of 1st, 3rd and special hen; 1st and special cockerel; 1st pen; 2nd pullet special for Best Display is proof of quality—if more is wanted visit our yards, seeing is believing. No stock for sale—A limited number of Eggs at $3 per 15. MASON H. HOLMWOOD, ORCHARD PARK, N.Y.



HILLDORFER'S CHAMPION JUMBO

S. C. BLACK MINORCAS

The Greatest Prize Winning Strain in the World

FOR years my birds have won highest honors in the hottest competition at the largest and best shows in America, including Madison Square Garden Chicago, Cleveland, Pittsburgh and Hagerstown.

The Finest Display of S. C. Black Minorcas the World Has Seen

was the American Black Minorca Club show held at Pittsburgh, January 17-24, 1914. Here in competition with 243 birds exhibited by leading eastern and western breeders, Hilldorfer Champion Jumbo Strain was awarded as follows: **1-2 Cocks; 1-3 Cockerels; 3 Hen; 1-3-8 Pullet; 4 Old Pen; 3-7 Young Pen,** and the following specials. Cup for best display, Cup for best winning in the largest class in show, all varieties competing. Gold Special best 2 Cocks. Gold Special best 2 Cockerels, Gold Special best 2 Pullets.

STOCK FOR SALE and EGGS! EGGS! EGGS!

IF you are in need of new blood to produce the type and color, that will win in the show room, or to increase egg production or stamina in your birds, I can furnish you stock that will please. Hundreds of birds to select from, and my prices are reasonable. My matings for 1914 are the finest in the land. Send for Catalogue and please mention A. P. W.

HILLDORFER BLACK MINORCA FARM, SAXONBURG, PA.

Geo. E. Norman, Mgr., Butler Co.

ENGLAND STILL LEADS

PEN OF ENGLISH WHITE WYANDOTTES CONTINUES TO OUT LAY ALL COMPETITORS IN THE CONNECTICUT CONTEST. REPORT FOR MONTH ENDING FEBRUARY 28, 1914

England is still leading in the International Egg Laying Contest at Storrs, Conn. Not only that, but the English pen of White Wyandottes has increased its lead from 86 eggs on Feb. 1st to 120 eggs on Mar. 1st, or at the close of the fourth month. Weather conditions at the Competition Plant were most uninviting during the month of February. With the single exception of the first day of the month the minimum temperature ranged from a few degrees below freezing to 16 degrees below zero every day in the month. More snow fell during February than in any other corresponding period in many years.

In the face of adverse weather conditions, however, and in spite of the short month the hens laid more than twice as many eggs as in January, or a total of 8,760 making a grand total of 18,207 eggs. Thirteen individuals including White Rocks, White Wyandottes, Buff Wyandottes, Rhode Island Reds, and White Leghorns laid 20 eggs each or more during the month. The eight best individual scores for the first four months of the competition are as follows:

Pen 14 English White Wyandotte, 85 eggs.
Pen 35 New Hampshire R. I. Red, 79 eggs.
Pen 14 English White Wyandotte, 73 eggs.
Pen 21 American Buff Wyandotte Club, 73 eggs.
Pen 35 New Hampshire R. I. Red, 72 eggs.
Pen 40 Experimental White Leghorns, 72 eggs.
Pen 4 New York Barred Rock, 71 eggs.
Pen 30 Pennsylvania R. I. Red, 71 eggs.

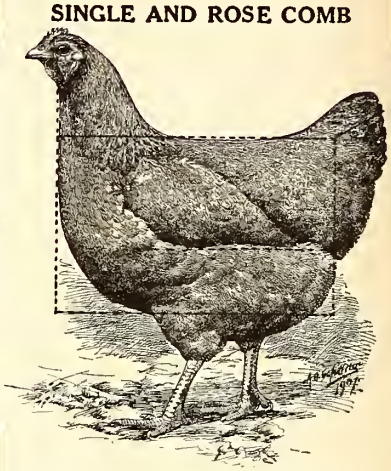
Awards for the month of February have been made as follows: The blue ribbon or first prize goes to a Pennsylvania pen of Rhode Island Reds owned by Dr. J. A. Fritchey, of Harrisburg, Pa., which laid 161 eggs. The English pen of White Wyandottes owned by Tom Barron got second prize for the month with a production of 159 eggs. Dr. N. W. Sanborn, Holden, Mass., captured third place for the month with his Buff Wyandottes which yielded 151 eggs for February. Geo. P. Dearborn, Lake Como, Fla., and A. B. Brundage, Danbury, Conn., receive honorable mention as their two pens of Rhode Island Reds followed closely with 150 and 148 eggs respectively.

With the approach of spring the lice problem naturally becomes somewhat more serious than through the winter. Heretofore, the lice on the Competition Plant have been held in check by dusting the hens with a commercial lice powder that seemed to keep the lice down fairly well if applied often enough. The objection, however, to the ordinary lice powder is that it does not as a rule destroy the eggs or nits, so that while a hen may be entirely freed of lice by the use of the powder such eggs as are left will hatch out in the course of ten days or less and the bird is lousy again. The Storrs



H. P. Deming, Roberstville, Conn., has an established reputation as a producer of S. C. Rhode Island Reds of high quality. The pullet portrayed above captured first honors at the recent Madison Square Garden show. Mr. Deming is now filling orders for hatching eggs and will be pleased to hear from any reader of AMERICAN POULTRY WORLD interested in this popular variety.

THE
Rhode Island Reds
SINGLE AND ROSE COMB



Specimen Illustration (much reduced)

THE most complete, authentic and attractive book on this popular breed ever published (80 pages and cover) — historical, instructive and beautifully illustrated. It tells the history and origin, how to select and mate birds for the breeding pens, as well as how to judge them both by comparison and score card; also much useful information along commercial lines.

Edited by
D. E. HALE,
Well known as Breeder, Judge, Lecturer and Writer.

Fully Illustrated by
A. O. Schilling, F. L. Sewell,
I. W. Burgess.

CONTENTS
History of Rhode Island Reds.
Standard-Bred Rhode Island Reds.
Proper Mating of Rhode Island Reds.
Rhode Island Reds as a Fanciers Fowl.
Rhode Island Reds as a Utility Fowl.
Some Successful R. I. Red Farms.
Judging Rhode Island Reds by Comparison and Score Card.

CONTRIBUTORS
The contributors to this book are the acknowledged leading breeders and judges of the country. They include such men as Tompkins, Harris, Almy, Buschmann, Sibley, Rich, Miles, Harrison, Kaufmann & Windheim, Burleigh, Crowther, Coulter, Coe, Scott, Carver, Ricksecker, Smith, Hartley, Coffin, Dennis, Clarke, Drevenstedt and Denny.

COLOR PLATE made from ideal R. I. Red feathers selected and arranged by Artist Sewell—said to be the best thing of the kind ever published. Text and illustrations are brought down to date to conform to the 1910 edition of the American Standard of Perfection.

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With a year's subscription to A. P. W. $1.00. With three years' subscription, $1.50. Mailed free for three subscriptions at 50 cents each.

American Poultry Publishing Co.
158 Pearl Street, Buffalo, N. Y.

Experiment Station has therefore been led to the use of a simple salve which it is believed will prove more effective. This salve is nothing more or less than ordinary blue ointment or mercurial ointment mixed with equal parts of vaseline. It must be understood, of course, that this ointment is very poisonous, and care must be exercised in its application. After mixing the blue ointment and vaseline in equal parts, take on the end of the index-finger an amount of this mixture equal in size to a small pea or a large grain of wheat, then burrow into the skin about an inch below the vent. It is, of course, well known that if there are any lice on a hen they will in all probability be found in the region of the vent. The eggs of the lice are deposited in this place. It appears that a very small application of this vaseline-blue ointment treatment destroys the eggs and therefore does away with the future crop of lice. It should perhaps be remarked that any who have not tried this remedy and desire to investigate its merits should at first try only a few birds in order to make sure that too much of the ointment is not put on and that it is applied at the right place or else the hens themselves may be injured or acually destroyed by mercurial poisoning. Furthermore one should not expect the hen to become absolutely free from lice for a few days, because the treatment may not reach the lice on other parts of the body. As an illustration of what this treatment accomplishes, one pen in the Egg Laying Contest was treated in this way by its owner before being sent to Storrs. Close inspection of this pen on March 1st revealed no lice, whereas the birds in the adjacent pen were found to be lousy.

EXPERIMENTAL PENS

In some ways the standing of the experimental pens at the close of the fourth month is much the same as has been previously reported. In both the Plymouth Rock and Leghorn groups, the pens that are receiving neither green food nor beef scrap are the lowest producers. In the Plymouth Rock group, the pen that receives the regular contest ration with the addition of sour milk but without any green food leads; whereas in the Leghorn group, the pen receiving the regular contest ration with addition of sour milk but without any beef scrap is leading. If we combine these two groups, it will be seen that the addition of sour milk to the regular ration makes for higher egg production except in those cases where neither beef scrap nor green food is supplied. The experimental pens have not been listed in the ten leading pens given below, but as a matter of fact two of the Leghorn pens occupy third and tenth places with a total production, the 1st of March, of 515 and 366 eggs respectively. It is interesting to note in this connection that these Leghorns were just five months old when the Contest opened on November 1st last. A few weeks ago the writer was discussing this question of sour milk for growing chicks with a Connecticut poultryman, who brooded 7,000 chicks last season and who had used the sour milk freely for the first time. This breeder was of the opinion that in his case the milk was responsible for developing his pullets a full month earlier than he had ever been able to do before.

The ten leading pens at the close of the fourth month are as follows:

Tom Barron, Catforth, near Preston, England, White Wyandottes, 650.

Francis F. Lincoln, Mt. Carmel, Conn., White Leghorns, 530.

Neale Bros., Apponaug R. I., White Wyandottes, 478.

Merrythought Farm, Columbia, Conn., White Wyandottes, 470.

Dr. J. A. Fritchey, Harrisburg, Pa., S. C. Rhode Island Reds, 458.

Cecil Guernsey, East Cobleskill, N. Y., White Leghorns, 429.

Jules F. Francais, W. Hampton, L. I., N. Y., Barred Plymouth Rocks, 382.

Geo. P. Dearborn, Lake Como, Fla., S. C. Rhode Island Reds, 380.

Pinecrest Orchards, Groton, Mass., S. C. Rhode Island Reds, 345.

Tom Barron, Catforth, near Preston, England, White Leghorns, 336.

Wm. F. Kirkpatrick.

———o———

*** * * The good points of all varieties of Leghorns are described in our latest breed book "The Leghorns." Procure a copy by sending us one dollar * * ***

SILVER WYANDOTTES

There is Money In Silvers

The Steinmesch Strain, known the World Over.

EGGS FOR HATCHING

$5.00 for 15 - - $8.00 for 30.

Circular Free. Address

HENRY STEINMESCH, ST. LOUIS, MO.

BUFF ORPINGTONS

Darst's Imported Strain win at Ohio State Show seven prizes, Ohio State Fair all prizes, Cleveland Show 1912, two prizes on two entries. Stock and eggs for sale. Best eggs $5.00 per 15.

C. N. DARST, JACKSONVILLE, OHIO

CHRISTIE'S

S. C. WHITE and BROWN LEGHORNS

Having been bred for fourteen consecutive years—represented all over the World—they stand today without an equal as egg producers, the foundation upon which all branches of the Poultry industry hinges. We have been shipping our S. C. WHITE and BROWN LEGHORN day-old Chicks and Eggs for hatching to all parts of the United States and foreign countries for ten years, and during this time we have shipped over 1,000,000 chicks and 800,000 eggs for hatching, and we have yet to find one displeased customer, a record attained by very few. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the WORLD'S GREATEST LAYERS. "Better be right than sorry". ∴ ∴ ∴ ∴ ∴

S. C. White and Brown Leghorn Chicks—$15 per 100.

WAYNE POULTRY FARM

F. W. CHRISTIE, Prop., Box 67, STONY POINT, N. Y.

SCRANTON'S S. C. REDS

No strain of Reds have won more consistently year after year in all the big shows than the birds bred by me. Always at the top in Chicago, Cincinnati, St. Louis, Kansas City, Indianapolis, Hagerstown, Louisville, etc.

OUR LINE OF MALE BIRDS IS UNEXCELLED.

In the recent Chicago show our males won more points than **all competitors combined**, which record they have held everytime exhibited at this show.

THERE ARE NO BETTER REDS BRED

Send for my Catalog of matings for full particulars—it is free. A few good breeding cockerels yet for sale.

B. H. SCRANTON, Box P. W., RISING SUN, IND.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, ETC.

Of AMERICAN POULTRY WORLD, published monthly at Buffalo, N. Y., as required by the act of Congress of Date Aug. 24, 1912.

Name	Post Office Address
Editor, Grant M. Curtis,	Buffalo, N. Y.
Business Manager, William C. Denny,	Buffalo, N. Y.
Publishers, American Poultry Publishing Co.,	158 Pearl St., Buffalo, N. Y.

Owners of Capital Stock

Grant M. Curtis.....Buffalo, N. Y.
Dow R. Gwinn.....Terre Haute, Ind.
Cora M. Curtis.....Buffalo, N. Y.
Minnie C. Isler.....Buffalo, N. Y.
A. O. Schilling.....Buffalo, N. Y.
Wm. C. Denny.....Buffalo, N. Y.

WILLIAM C. DENNY.

Sworn to and subscribed before me this 27th day March, 1914.

E. J. PLUMLEY,
(Seal) Notary Public,
Erie Co., N. Y.

o

BAST HOUDANS

An eight page folder giving his complete show record for the past season and describing his breeding pens for 1914 is being issued by W. F. Bast, Phillipsburg, N. J., breeder of Houdans. Mr. Bast's prize record includes such shows as Madison Square Garden, Boston, Philadelphia, Hagerstown, which is convincing evidence that he has quality in this variety. He has mated seven pens for the coming season and the prices range from $2.00 to $5.00 for 13 eggs. For further information write him today and mention this publication.

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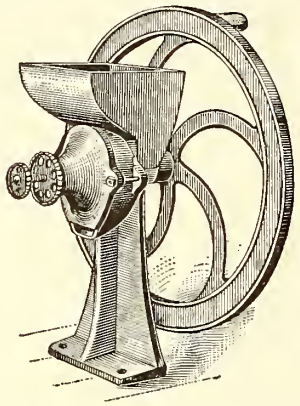
TURNER'S R. C. BUFF LEGHORNS

Three selected matings have been made by Edw. J. Turner, Springvale, Me., breeder of R. C. Buff Leghorns, for the 1914 season. These matings are fully described in an interesting eight page mating list that will be sent free to all readers interested in the R. C. Buffs. When writing mention A. P. W.

HOME GRINDING MILL

A machine that can be very profitably used by a poultry raiser is the hand grinding mill illustrated herewith. It is manufactured by Stover Mfg. Co., Freeport, Illinois.

The chief advantage of a machine of this kind is that it can be adjusted for grinding very small meal or mash for small chicks or corn can be merely cracked for feed for the larger chick-



ens, and an owner can grind up in a few minutes enough feed to last him several days, thereby getting the advantage of always feeding nice fresh grain.

If one wishes to install a machine for the purpose of grinding grain for larger animals and has the gasoline engine, this Company is prepared to supply feedmills that can be operated by very small engines (1 horse power) or they build several larger sizes of mills, including some that can be run by 25 to 30 horse power engine.

This company also manufacture Samson Windmills, with which fresh water may be supplied to the home and for stock. They will gladly send printed matter covering anything of their manufacture.

OCULUM

Poultry raisers who have experienced heavy losses with roup and other diseases to which poultry are susceptible will undoubtedly be interested in the following:

New York, N. Y., January 13, 1914.
The Hancock Inoculatum Co., Inc.,
Salem, Va.

Dear Sir:—It is more than likely that you will remember the correspondence I had with you the latter part of 1912.

I think it but fair to tell you of my experience with "OCULUM" since that time. I followed your instructions to the letter with reference to small chicks this last year and it is gratifying to report that I have not had a single case of roup, in fact no diagnosable disease, whatever, this year, although I was warned that the seemingly insuperable trouble of 1912 would surely make its appearance again in 1913. I have used no other remedy and am pretty sure that "OCULUM" immunized my entire flock from the trouble I had a year ago, and I think I had, without doubt, the sickest looking lot of poultry that was ever well kept.

I never have nor never will lose an opportunity to recommend "OCULUM".

Very truly yours,
F. W. Ziegler.

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CYPHERS CATALOGUE

The Cyphers Incubator Company, Dept. 31, Buffalo, N. Y., have issued a very interesting 244 page catalogue, that is sent free to any one interested in poultry raising, upon application. This book not only describes Cyphers Co. products, but also contains several interesting chapters on the different branches of the poultry industry, among which are "Best Methods of Back Yard Poultry Keeping", "Small Poultry Plants", Profitable Poultry Keeping on the Farm", and several other subjects equally interesting. Every reader of AMERICAN POULTRY WORLD should have a copy of this catalogue, it will be sent free if you send your address today on a postal card.



Granock Farms, Stewart Haddock, proprietor, Poughkeepsie, N. Y., has established a heavy foreign trade and a sight like the above is not uncommon at this farm. The illustration shows a shipment of White Leghorns ready to start on its long journey to South America. At the right of the picture may be seen the end of the conditioning house where all birds are prepared for shipment. It has a capacity of 200 birds at one time.

X-RAY INCUBATOR

The X-Ray Incubator Company, De Moines, Iowa, report that this is the busiest season since the company's organization. The new factory recently completed at De Moines, is working night and day to keep ahead of the orders. The X-Ray Incubator is essentially different from the majority of hatching machines on the market in that it has a central heating plant, that is, a lamp is placed directly under the center of the hatching chamber. By this method the manufacturers claim that all the heat units are utilized, and point to the fact that a hatch may be completed with one gallon of oil where in other makes, three to five gallons are required. Another feature of the X-Ray is the large oil fount which has a capacity of one gallon of oil and requires filling but once during the hatch. These points together with several other exclusive features are fully described in the X-Ray book which also fully illustrates both incubator and brooder. It also contains many facts on incubation that will be found interesting and valuable to any poultry raiser. Any reader of this magazine can secure free copy upon application to the X-Ray Incubator Co., De Moines, Iowa. It will be appreciated if this paper is mentioned when writing.

COOK'S ORPINGTONS

Under date of March 12th, we received a communication from Wm. Cook & Sons, Scotch Plains, N. J., advising that on the previous day they had received orders for 1,600 hatching eggs and thirty-seven mature birds. They also called attention to their remarkable show record for 1913. Among other prizes they won 170 firsts and 105 seconds. This record is used to emphasise the fact that their breeding pens are better than ever this season as a majority of these prize winners are in the matings. While at Pittsburgh show, Mr. Cook booked one order for 3,200 White Orpington eggs from an exhibitor that had successfully shown the Cook Strain. This customer won three firsts and two seconds, and strongly endorses the Cook Orpingtons. For further particulars send today for a copy of mating list. It is sent free to all who mention A. P. W., and address Wm. Cook & Sons, Scotch Plains, N. J.

PRAIRIE STATE BULLETIN NO. 1

As an assistance to poultry raisers in all sections of the country, The Prairie State Incubator Company have issued a bulletin for gratuitous distribution that covers the following subjects—"Commercial Egg Farm and Feeding for Winter Egg Production", "Growing of Prize Winners", "The Day Old Chick Industry". This is an interesting and educational pamphlet consisting of twelve 7x10 pages and should prove not only interesting but valuable to every reader of AMERICAN POULTRY WORLD. Copy may be had upon request to the Prairie State Incubator Co., Box 202, Homer City, Pa.

TOMPKINS REDS

Lester Tompkins, Concord, Mass., one of the leading breeders of Rhode Island Reds, is sending out a four-page folder describing his eleven select matings of S. C. Reds and seven of Rose Comb Reds for the season of 1914. Besides these he has several others that he designates as near silks. He anticipates that many winners will be hatched from eggs from either of these pens this coming season and urges the prompt placing of orders. Better send for a copy of the list today and make your selection before it is too late.

RANCOCAS POULTRY FARM

One of the most interesting catalogues we have received this season is the one issued by the Rancocas Poultry Farm, Brown's Mills, N. J. It not only gives the history of this noted poultry farm and the system of handling their enormous flock of Single Comb White Leghorns, but also many interesting illustrations of their birds and views of the farm together with price of stock, eggs and chicks. Better send for a copy today, address Rancocas Poultry Farm, Box 612, Brown's Mills, N. J.

FISHEL'S BABY CHICKS

U. R. Fishel, Hope, Ind., well known breeder of White Plymouth Rocks, wishes to announce that his annual catalogue is now ready for distribution. It not only describes the "best in the world strain" of White Plymouth Rocks and the plant upon which they are grown, but also gives full information and prices on White Rock day old chicks, a branch that has grown to be a very important one at the Fishel Farm. Readers desiring this catalogue should mention this paper when writing for it.

Don't Feed Green Food!

Do away with the bother by using

Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to **The Succulenta Co., P. O. Box 405-17, Newark, N. J.**

"Jimmy, Always Give 100 Cents' Worth for Every Dollar You Get"



That's what my father said to me when I was a boy—and that's what I'm doing when I send you my Belle City hatching outfit. 276,000 users will tell you so. *I am giving you more* when you compare my **8-Times World's Champion 140-Egg Belle City** with any other incubator made. Double cases all over, best copper tank; nursery, self-regulating. Best 140-chick hot-water brooder, **$4.85.** Both, **$11.50.** Write for free book today or send price now and save time.

Jim Rohan, Pres.

$7.55 Frt. prepaid E. of Rockies, Satisfaction guaranteed



Belle City Incubator Co., Box 117, Racine, Wis.

LIGHT AND DARK BRAHMAS Won at Palace, New York, Philadelphia, Jersey City and Caldwell on 36 entries, 32 regular and 9 special prizes. List of prizes won and mating list free. Breeders, Baby Chicks, Hatching Eggs for sale, prices reasonable for highest quality. We also have **Rhode Islan dReds, White Wyandottes, Barred Rocks** and **S. C. White and Brown Leghorns** as good as our Brahmas.
RIVERDALE POULTRY FARM, RIVERDALE, N. J.

Single Comb Rhode Island Reds

We have the birds to help strengthen your flock. Eggs from best pens now mated for prompt delivery. Address

GEO. W. WHITE, S. C. R. I. Red Specialist, HAMILTON, MD.

QUALITY WHITE WYANDOTTES

Winner championship of the state over all breeds won first and second pen, third cock, first hen, first cockerel, third and fourth pullets at New Haven's great quality show, 1912. Exhibiting three birds at New London won first cock, first hen, first cockerel. Showing but one cockerel at Albany's White Wyandotte show, won third place. At Guilford show, the official American Poultry Association show in this state, won the sweepstakes of the show and the state and the American Poultry Association gold medal for best cockerel in the state, also first and second cock, first and second hen, first and third cockerel and first pullet, showing but eight birds. Have won more than thirty specials outside of shape and color specials. Eggs sold from this stock in settings only at $5 per setting.
C. S. SCOVILLE, 42 Thompson Ave., EAST HAVEN, CONN

CAMPINES Silver and Golden **WINNERS** Madison Square Garden, Baltimore and Boston

Special Prize at Madison Square Garden for **Best Display,** both varieties competing. Clean Sweep at Baltimore, and at Boston, Six Firsts, Three Seconds, Two Thirds, One Fourth, One Fifth and One Sixth. I have made an enviable reputation at the smaller shows but note above **my birds were the greatest winners** at **the three greatest shows in America.** The birds which have made the above reputation are not for sale and will not be sold. They are **now in my breeding yards, you have the same chance as I.** And **Remember** y u get what you pay for. **Silver or Golden.**

My Prices for Eggs for Hatching are as follows:—Special Matings $25.00 per 15 eggs, First Pens $15.00, Second Pens $10.00 and all other breeding yards 50 cents an egg. **Satisfaction Guaranteed. Send for Free Catalogue if interested.**

E. F. DEAN, Box F, WILLIAMSPORT, PA.



Again We Win At The Great Mid-West Show, Chicago, 1913

21 Ribbons—2 Firsts, 4 Seconds, 7 Thirds, 6 Fourths and 2 Fifths.

We are offering for sale hundreds of pullets, hens, cock birds and cockerels that are bred from these winners. Others that will win at the best shows in the country and make the finest of breeders. We have mated for the Egg and Day-Old Chick trade—40 breeding pens, consisting of all the winners, so can supply you in any quantity. Remember we have the quality pens of the country. As stated before you can order from us by making payment and the balance monthly. Price and Mating List free. Catalogue 5 red stamps.



THE "CHASE"

EDGEMONT POULTRY FARM, W. O. Chase, Box Z, HILLSBORO, ILL.

Too Late to Classify

GOLDEN and SILVER CAMPINE EGGS—Now is the time to order. Eggs from Champion matings $1.00 each, from excellent matings 50c each; from high-class utility matings $4.00 per 15. Send in your name on a postal for mating list. It's yours for the asking. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y. tf

WHITE PLYMOUTH ROCK HATCHING EGGS from exhibition matings, $5.00, $3.50, $2.50 and $1.50 per 15. Discount for quantity. New England Poultry Farm, Waterbury, Conn. Free Circular. 1-4-4

TRUE S. BUTTERCUPS—Eggs from my superior Buttercups ready from February 1st, delivered free. Pen 1-30c each; pen 2-20c each. H. Van Horne, 47 W 34, New York, N. Y. 1-4-4

LOOK! LOOK! Day-old chicks, hatching eggs from vigorous, healthy, free range stock, bred for big egg production. Can furnish quantity and quality. Safe delivery and fertility guaranteed. Chicks $12.00 hundred. Eggs $5.00 hundred. Send for circular. John B. Casterline, Hillhurst Farms, Orchard Park, N. Y. 3-6-4

S. C. WHITE ORPINGTON eggs $1.00 per 15. All from prize winning stock. No whiter stock raised. Address G. E. Laird, Mendon, Mich. 3-6-4

ANNUAL WINNERS—Barred Rock—at Philadelphia, always win the blue. Hatching eggs, baby chicks and breeding stock from utility and fancy birds. Yale Bartholomew, Vineland, N. J.1-4-4

FOR HATCHING—Nearly all varieties of Hens, Geese, Ducks and Guinea **EGGS.** Stock for sale at all times. Edward Tripp, Dundee, N. Y. 3-6-4

BIRD BROS.' PARTRIDGE ROCKS

Partridge Rocks have made rapid advance in public favor during the last year if the large classes in evidence at leading shows is any criterion of their growing popularity. Bird Bros., Myersdale, Pa., pioneers in the development of this variety, have issued a catalogue and mating list for the season of 1914, that should prove both valuable and interesting for both those who are now breeding this handsome variety and those who contemplate taking them up this season. The book consists of 20 pages and cover, is printed in two colors on high grade paper and besides fully describing their matings for the present season contains a large amount of information regarding the variety that should be highly appreciated by all interested breeders. A copy will be mailed free to all upon request if A. P. W. is mentioned.

R. C. BLACK MINORCAS.

All readers interested in R. C. Black Minorcas should send to Ross Swartout, Newport, Ont., Canada, for a copy of his 1914 mating list, which includes the record of winnings for the past season. Mr. Swartout has produced many remarkable birds, among which is the first prize cock at Madison Square Garden, 1911, and which he values at $1,000. Mr. Swartout will be glad to hear from all A. P. W. readers interested in the R. C. Blacks and will promptly forward his mating list upon request.

CHAMPION BUFF WYANDOTTES

The record made during the past season by "Champion Buff Wyandottes" bred by Besuden Bros., Box 14-W, Evanston Station, Cincinnati, Ohio, is an interesting one and is given complete in their new mating list for 1914, now ready for mailing. It is profusely illustrated, showing not only many of their winners, but also many interesting views taken at their farm. The list consists of sixteen pages and cover and should be in the hands of every lover of Buff Wyandottes.

CHINA HANCHETT

China Hanchett, Verona, N. Y., breeder of the Crimson Strain Rhode Island Reds, advises that after April 25th he will reduce the price of all hatching eggs 25 per cent. Readers should take notice of this as there is still plenty of time after that date to hatch winners for next season's shows.

* * * Your favorite magazines at reduced prices in our Clubbing Catalogue. Send for copy today * * *

* * * Reds! Reds! Reds! Our new book "The Rhode Island Reds" is the most complete and authentic treatise on this breed ever published. Send seventy-five cents and secure a copy * * *

DARROW'S WHITE ROCKS

Will put you among the winners. Order eggs now—$3.00 per 15. Stock for sale.

E. B. DARROW, Box W, WILLIAMSPORT, PA

Maplehurst Farm Champion Black Orpingtons

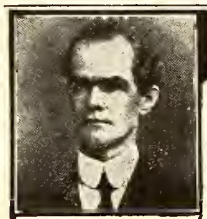
By our sweep at the great Boston Show, Jan. 13 to 17, 1914, competing against the best that could be imported from England and Canada we have demonstrated that the *Maplehurst Strain of Black Orpingtons* is equal to any in the world. *We won* 1st and 5th Cock, 1st and 4th Hen, 2nd and 3rd Cockerel, 2nd and 3rd Pullet and 1st Pen. Special for best display, special best shaped female, special best colored female, special best colored male, and special best Pen. 50 large vigorous Cockerels at at reasonable prices. Let us book your orders for eggs now. price will be $5.00 per 13, from our Champion Matings. Write for Mating List.

MAPLEHURST FARM, KINGSTON, R. I.

VICTOR EGG PRESERVER

Do you remember last Winter when eggs were selling for 50c. and 60c. per dozen? Well, just suppose last Spring you bought your Winter supply of eggs at 20c. to 25c. per dozen, and put them down with Victor Egg Preserver, what a saving you would have made. It will not be long now before eggs will be selling again for 50c. or 60c. per dozen. Why not get your grocer to give you a few lard tubs and put down your Winter supply, now that eggs are cheap, with Victor Egg Preserver? Our preparation is absolutely harmless and much superior to water glass. A 25c. package will preserve 25 dozen of eggs. We will send you a package by parcels post, prepaid, on receipt of 30c. in stamps. Special prices on orders for one dozen.

APOTHECARIES HALL CO., WATERBURY, CONN.



T. E. QUISENBERRY, America's Foremost Poultry Authority

Prest. America's School of Poultry Husbandry. Direc. Mo. Poultry Ex. Sta. and World's Laying Contests, etc., etc.

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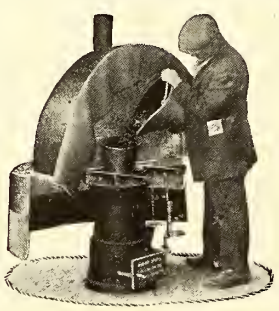
BY MAIL under the personal supervision of America's foremost poultry authority, T. E. QUISENBERRY. Chick time is here! Start now! Coin your spare moments into dollars while you prepare for independence! Never such opportunities as NOW in the poultry business. Insure success by enrolling in our General Course in Poultry Husbandry,

THE QUISENBERRY WAY

Professor Quisenberry gives you as thorough a course as you would receive in four years at college, at a cost of two months' board bill, and without losing you a single day at your present occupation. If you have heard "the call of the hen", if you have red blood in your veins, here is the OPPORTUNITY OF A LIFE TIME to reach the goal of your ambition. Grasp it today! We unqualifiedly guarantee satisfaction, or your money back. Special offer to first student in each community. Our Prospectus, "Dollars and Sense in the Poultry Business", tells all. Its free,

AMERICAN SCHOOL OF POULTRY HUSBANDRY,
Desk 45 Mountain Grove, Missouri.

Prairie State Stove Brooders



You can't afford to be without a Prairie State Stove Brooder If you have a large number of chicks to raise, or if you brood in flocks of 500 to 1,000.

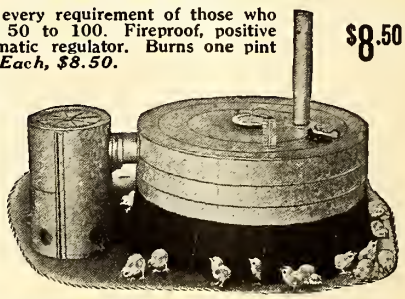
Made of heavy cast iron, is durable, dependable and will give the best of satisfaction. Costs only 7 cents a day to operate. Has automatic heat control; canopy hinges in center to allow ready access to all parts. See catalogue for full description. *Each, $30.00.*

Prairie State Portable Hovers

Made of Galvanized Steel.

Designed to fill every requirement of those who brood flocks of 50 to 100. Fireproof, positive ventilation, automatic regulator. Burns one pint oil in 24 hours. *Each, $8.50.* $8.50

Full information on all kinds of brooders *Free.*



Prairie State Colony Brooders

Made in three sizes—*$12, $16* and *$20.* See catalog for descriptions.

Prairie State Incubators

3 Series—An Incubator to meet every requirement and every pocketbook. Send for Catalog.

PRAIRIE STATE INCUBATOR CO., 202 Main Street, Homer City, Pa.

CLASSIFIED ADS.

RATES:—Classified advertisements will be inserted in this department of AMERICAN POULTRY WORLD at 5 cents a word per month for one or two months, or at 4 cents a word per month for three or more months. Change of copy allowed quarterly without extra cost. No order accepted for less than 50 cents for each insertion. Numbers, initials and abbreviations count as words. No display allowed other than initial word or name.

TERMS:—Cash with order and copy of advertisement. Positively no exceptions to this rule. Please count the words correctly to avoid delay in publishing. Write copy of your advertisement plainly to insure its appearing correctly. Copy must reach AMERICAN POULTRY WORLD office by 18th of the month preceding date of issue.

AMERICAN POULTRY WORLD is furnished every classified advertiser without charge during the time his advertisement appears in these columns.

We guarantee to publish an average **monthly circulation of 45,000** copies during the year ending with April, 1914.

"BECOME IDENTIFIED WITH A WINNER."

ANCONAS

SHEPPARDS FAMOUS ANCONAS—The world's best. Single or Rose Comb. First at World's greatest shows, including London, England, Madison Square and Cleveland. Greatest egg record. Average 256 for entire flock. Cecil Sheppard, Box X, Berea, Ohio, President International Ancona Club. 4 5-4

TIMM'S POULTRY YARDS—Anconas, Stock, eggs and chicks. Shipments guaranteed. Catalogue Free. John Timms, Malta, Ohio. 3-4-4

ANCONAS—Blue Ribbon Winners at Geneva, Auburn and Great Rochester Shows, unexcelled layers. Marion Hill, Route 4, Geneva, N. Y.

ANCONAS—New York, Buffalo, Cleveland, Jamestown, winners. No stock for sale. Baby chicks. Express paid. Circular. Wm. S. Rathbun, 8 Kingsbury, Ave., Jamestown, N. Y. 3-4-4

ANCONAS—Winners Madison Square Garden, Phiadelphia, Baltimore, elsewhere. Partridge Plymouth Rocks. My matings and "What the Editor says" Free. H. Egerton Portrum, Rogersville, Tenn. 3-4-4

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S. C. WHITE LEGHORNS (Young's Strain) won at Pittsburg Exposition 1914, 1st Pen, 2nd Pullet and 5th Cockerel, cup for best pen and special for 2nd best display. Eggs from three grand pens. Satisfaction Guaranteed. Write for prices. Allen A. Iams, Deer Lick, Pa. 6-8-4

S. C. WHITE LEGHORNS, Eggs for hatching, Rancocas Strain, East View Poultry Farm, Barneveld, N. Y. 3-5-4

S. C. WHITE WHITE LEGHORN EGGS. Chicks that grow, hatched from healthy free range breeders. Eggs $1.50, 15; $7, 100. Chicks $10, 100. Stock for sale. Spies Bros., Preston, Md. 3-5-4

SINGLE COMB WHITE LEGHORNS, Young's strain, Good stock, Great layers. Eggs $1.00 per fifteen. $5.00 per hundred. Oak Hill Farm, Black Lick, Ohio. 3-5-4

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SINGLE COMB WHITE LEGHORNS, Wyckoff or Young's strain direct, breed separately, sure to please. Baby chicks 12 cents each. R. H. Patterson, Panama, N. Y. 1-4-4

BERWICK Poultry Yards, Young's Strain **S. C. WHITE LEGHORNS.** Winnings 1914, Berwick, Me., sweepstake cup, highest scoring pair in show, cup best pen, specials, best display, best pen, best female; Boston, 5th pen. Eggs $2.00-15; utility, $1.00-15; $5.00-100. Fred Prue, Box 315, Berwick, Me. 3-6-4

S. C. W. LEGHORNS—(Egg record pen average 225) two and three year olds that are producing very strong chicks for only $10.00-100, delivery guaranteed. Eggs for **HATCHING,** $5.00-100; $40.00-1,000. Sitting 15 eggs $1.00. Cockerels 3 for $5.00 from record hens. Send for **CATALOGUE FREE.** The Underhill Farms, Box W, Fort Ann, N. Y. Order from this ad now. tf

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S. C. BLACK MINORCAS—Hatching eggs, heavy laying stock, $1.25 per 15, Parcels postpaid. $5-100. Send for circular. Frank Miles, Dundee, N. Y. 3-4-4

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BUFF MINORCAS—Latest Standard variety. Address O. K. Hobbs, Specialist, Hickory Grove, Ky. tf

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DIAMOND JUBILEE ORPINGTONS of very fine quality. Rev. W. Berberich Groton, N. Y. 3-4-4

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PARTRIDGE ORPINGTONS—The New Sensation. We have the original Best. Eggs $15 per 15. Blue Orpington Eggs cheap. Advance Farm, Hazelrigg, Ind. 3-5-4

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WHITE ORPINGTONS, Champions. Quality counts, exhibited twice at Toronto. Win first hen and again win first pullet and fifth hen. Again at Buffalo International show, win first cock, first and third hen. Stock and Eggs for sale. 3 Pullets and cockerel $15.00. Eggs $3.00 per 15; $5.00 per 15; $10.00 per 15, from my winners. C. Schelter, Fonthill, Ont., Canada. 3-5-4

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S. C. WHITE ORPINGTONS. Buy of an experienced breeder. Eggs from winning pens Buffalo, 1912, 1913, 1914. 15 eggs from first prize pen Buffalo, 1913—$10. 15 eggs from first prize pen Silver Creek, $5. Type and characteristics guaranteed. If, for any reason, the fertility of these eggs and the vitality of the chicks is not what you have a right to expect for the price paid, I will cheerfully replace the eggs. Number of eggs from first prize pen 1913, is limited. Orders will be delivered in the order received. Fred J. Stilke, East Aurora, N. Y. 3-5-4

INSURE YOUR ORDER for **WHITE ORPINGTON** eggs or chicks. Blue ribbon winners. Heavy winter layers. Every customer satisfied. W. R. Stevens, Box C, Lyons, N. Y. 3-6-4

KELLERSTRASS WHITE ORPINGTON baby chicks from choice pens, only twenty-five cents each; fifty for ten dollars. Eggs, fifteen for two dollars; fifty for five dollars. Circular free. S. B. Crowell, Clyde, N. Y. 1-4-4

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Coates' heavy-laying strain of **S. C. WHITE ORPINGTONS.** Bred for winter layers. Eggs $1.50 per 15. Satisfaction guaranteed. Harry B. Coates, Willet, N. Y. 3-6-4

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WANTED—5,000 Common or Homer Pigeons. Pay at least 25c pair. Market Poultry Wanted. F. Gilbert, 1128 Palmer St., Philadelphia, Pa. 2-5-4

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"TRUE TO NAME" BARRED PLYMOUTH ROCKS—Exclusively bred from exhibition stock. Eggs $3.00 per 15; $5.00 per 30. E. J. Woodin, Stanfordville, N. Y. 3-6-4

BARRED ROCKS, exclusively—Ringlet strain, eggs $3.00 per 15; both matings. Will replace every unhatched egg free. Write for particulars. F. L. Tanner, Hop Bottom, Pa. 1-4-4

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FOR SALE PRIZE WINNERS—Solid Buff Rock, Cock and cockerels, even golden color, low combs. Quality for twenty years unsurpassed. Stock and eggs reasonable. Edgewood Farm, Ballston Lake, N. Y. tf

NORTH'S BUFF ROCKS—Fine Cockerels both exhibition and Utility. First prize winners at Greater Buffalo and Rochester. Write for mating list. D. P. North, Waverly, N. Y. 3-4-4

COLE'S BUFF ROCKS win at the National Club Meeting, Cleveland, Dec., 1913, 3rd cockerel, 3rd, 4th, 5th cock; Chicago, Dec., 1913, 3rd hen, 1st and 4th cockerel, 1st pullet, 1st pen young, best display and Central district cup. Get my mating list before placing your order. Frank C. Cole, Box 10, Van Wert, Ohio. 3-5-4

BUFF ROCKS—Chicago, Indianapolis, Cincinnati, Louisville winners. Eggs three dollars per setting; six dollars for fifty; ten dollars per hundred. N. M. McCullough, Anderson, Ind. 3-6-4

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COLUMBIAN ROCKS, N. Y. State Club winners. Eggs from three special pens $3.00 per setting. Have furnished star winners. F. W. Otte, Peekskill, N. Y. 3-5-4

COLUMBIAN PLYMOUTH ROCKS bred for eggs and exhibition. Chicago and Indianapolis winners head our breeding pens. Eggs and stock for sale. Illustrated mating folder. G. W. Garlock, Box 3, Fort Atkinson, Wisc. 3-5-4

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PARTRIDGE ROCKS for utility and beauty. Noftzger and Bird Bros. strains winners at Youngstown, Warren and Struthers. Eggs a specialty. A. H. Goff, Farmdale, Ohio. 3-4-4

WOODWARD'S PARTRIDGE ROCKS will suit you, first Prize Winners at Dover, N. J., Morristown, N. J., Passaic, N. J., Newton, N. J., also winners of three specials. Eggs and stock for sale. All Guaranteed. Write to Harry J. Woodward, Newton, N. J. 4-5-4

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PARTRIDGE ROCKS from proven breeders and winners. Stock and eggs for sale. J. O. Robinson, Waverly, N. Y. 4-5-4

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WHITE PLYMOUTH ROCK breeders should secure a copy of the new Plymouth Rock Book, just out. Invaluable for beginners or experienced breeders. Edited by Wm. C. Denny. One dollar will bring a copy postpaid. Address, AMERICAN POULTRY WORLD, Buffalo, N. Y. tf

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WHITE PLYMOUTH ROCKS great layers, low combs, standard weight, bred to lay and exhibit. Winners at the best shows in Canada, Vermont and Mass. Eggs $3 per 15. W. J. McCaffrey, Newport, Vt. 3-5-4

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WHITE PLYMOUTH ROCKS—Winners—excellent layers. Owen Farms' strain. Eggs $2.50 per 15. Geo. C. Mason, Walden, N. Y. 2-5-4

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WHITE AND BARRED ROCKS—None better, beauties. Great egg producers. Eggs $2.00 fifteen. Write me. Frank Southwell, St. Charles, Mich. 2-5-4

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WHITE CRESTED BLACK POLISH. Matings from prize winners, par excellence. Eggs 3 and 4 dollars 15. White Cloud Poultry Yards, Geneva, Ohio. 3-4-4

WHITE CRESTED BLACK POLISH—When in doubt try Smith's Polish, none better. Eggs $2 for 15; $3 for 30. R. E. Smith, Afton, N. Y. 2-5-4

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EVERETT'S SINGLE COMB REDS are winners at Philadelphia, Buffalo, and New York State Fair. Eggs for sale, satisfaction Guaranteed. C. W. Everett, Waverly, N. Y. 3-4-4

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SINGLE COMB RED breeders should send a stamp for Bleezarde's Mating List, Ravenna, New York. 3-4-4

Great win for **RADER'S REDS,** Sunbury—1, 2 cockerel; 2 cock; 1 pullet; 4 hen. Shape and color special, male and female. Males for sale cheap. Mating list ready. **S. C. REDS.** F. S. Rader, Newmanstown, Pa. 3-4-4

RHODE ISLAND REDS—S. C. cockerels—Red to the skin. Lester Tompkins strain. Eggs in season. Nora L. Ryan, Penn Yan, N. Y. 3-5-4

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ORIOLE POULTRY FARM, ROSE COMB REDS, exclusively. Send for descriptive circular. Eggs from free range stock, 15-$1.00, 100-$4.00. J. D. Keefer, Millersburg, Pa. 3-5-4

Eggs for hatching. **S. C. R. I. REDS,** Tompkins Strain, greatest winter layers known. Have one of the prettiest flock of birds in the country. Get into Reds and make money. Eggs utility and beauty 15 eggs $1.50; 30-$2.50; 50-$3.75; 100-$7.00. F. Ingersoll, Nicholas Ave., Stratford, Conn. 1-4-4

SINGLE and **ROSE COMB REDS,** Tompkins, Tuttle strains. Eggs from prize winners at Cleveland and Ashtabula, second pen, Cleveland, 1914. C. H. Eckler, Ashtabula, Ohio. 3-5-4

EGGS FROM PRIZE WINNING TOBASCO REDS—The acknowledged strain for the finest Single Comb Reds; winners at New York and Boston. $3.00 a setting; utility $1.50. W. F. Hessert, 36 Harvard Ave., Collingswood, N. J. 3-5-4

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EGGS FOR HATCHING from pure bred S. C. Reds $2.00 for 15; White Rocks $2.50 for 15. Medford Poultry Farm, Medford, Md. 3-4-4

ROSE COMB R. I. REDS, winners wherever shown, hatching eggs from Palace ribbon birds. J. A. Ferry, Box 238, New Rochelle, N. Y. 3-6-4

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PEERLESS RHODE ISLAND WHITES. The world's best layers. Winners at Chicago, Indianapolis, Los Angeles, etc., Our large illustrated catalogue is free. Carl D. McCarthy, Box W, Kempton, Ind. 3-4-4

COLUMBIAN STRAIN ROSE COMB RHODE ISLAND WHITES. Stock and eggs for sale. Eggs $2, $3, $4 per 15. B. J. Parmenter, Columbia X Roads, Pa. 2-5-4.

PEERLESS RHODE ISLAND WHITES of the best blood lines of America. First Sheridan, Indianapolis, Pittsburgh. Stock, eggs. Free mating list. Mrs. E. W. Garver, Kempton, Ind. 6-9-4

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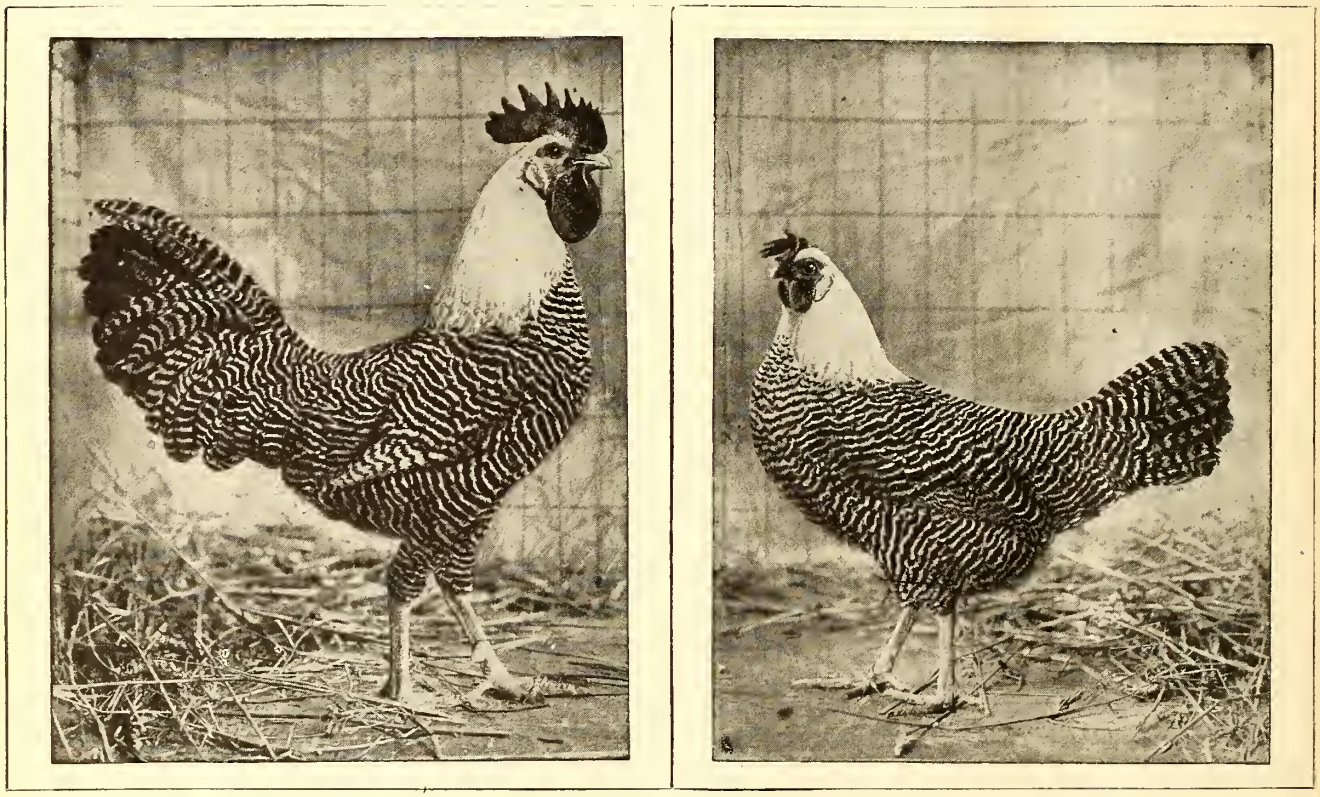
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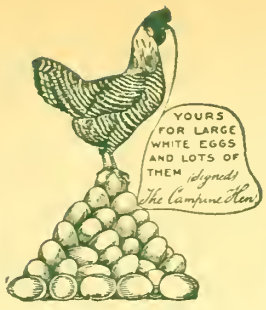
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M. R. JACOBUS, Box 3-W, RIDGEFIELD, N. J.

SHOWS

CLEVELAND, Forest City Fair
GREAT INDIANA STATE FAIR
GREAT ILLINOIS STATE FAIR
WORLD'S GREATEST SILVER CUP SHOW, HAMILTON, OHIO
GREAT CALIFORNIA BANTAM SHOW, SANTA ANA

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J. H. DREVENSTEDT
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America's Best Cochin Bantams

At Five of the Greatest 1913-14 Shows won 69 Firsts out of a possible 83.

Or nearly 5 times as many Firsts as all their competitors combined. Also **34 Special Prizes out of a possible 54. Best Display at Every Show** Besides these honors they were awarded **34 seconds, 26 thirds, 3 fourths** and **3 fifths.** This record was made in **Five Shows** of **Merit** under **Five Judges of National Reputation** (all noted Bantam Judges and Breeders). We have **100 specimens** left and must sell at once.



MATING LIST READY APRIL 1st.

WAHEBE BANTAM YARDS, **Box 13-R, Evanston Sta.,** **CINCINNATI, OHIO**



BONNIE BROOK WHITE LEGHORNS

THE BONNIE BROOK STRAIN is founded upon some of the finest specimens of *S. C. White Leghorns* that have been carefully selected for Standard requirements and utility, from the leading strains of the country, ***Vigor, vitality and early maturity*** are characteristics of the *Bonnie Brook Leghorns* and proves the wisdom of our selection and care in our breeding methods.

Bonnie Brook White Leghorns are a heavy laying bred-for-business strain and at the same time are true to type and of the highest Standard quality. Whether you want stock for exhibition or prolific laying, *Bonnie Brook White Leghorns* will please you. Our birds

WIN AT BOSTON, January 12-17, 1914—1-6 Cock, 5 Hen, 5 Cockerel, 4 Pullet, 3-4 Pen.

DAY-OLD-CHICKS

Our specialty is day-old-chicks. Our Mammoth Incubator has 10,000 hatching egg capacity at one time, and if ordered now we can furnish chicks in almost any quantity. Prices for ***first-grade stock,*** forwarded in latest and best safety shipping boxes, $15.00 per 100. Prices for smaller and larger lots on application.

HATCHING EGGS

Our this season's matings are the finest we ever owned. Every specimen in our breeding pens has been carefully selected with a view to producing prolific layers and specimens that will most closely approach the Standard Ideals. Prices, $2 per 15, $10 per 100 and upwards.

STOCK

We have a very limited number of high-class males and females for sale. Our prices for these are reasonable quality considered. Description furnished on request.

FREE CATALOGUE

Our handsome 44-poge catalogue with embossed cover showing views of BONNIE BROOK FARM, illustrotions of our prize winners, houses ond breeding stock, free on request if you mention this poper.

BONNIE BROOK POULTRY FARM,

L. C. Bonfoey, Mgr., Box 90-A, SARATOGA SPRINGS, N. Y.





1st Prize Cockerel and Champion Male and 1st Prize Pullet and Champion Female at Madison Square Garden, New York, 1913.

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Win the most brilliant record of their time at Madison Square Garden, New York, this Winter of 1914—as follows:

ALL RIBBONS ON COCKERELS, namely—First, Second, Third, Fourth and Fifth Prizes; First and Fourth on Cocks; First, Second and Fourth on Exhibition Pens; The Imperial Prize of the Show, Sweepstakes Special for Champion Male; Medallion for Champion Cockerel: Diploma presented by the American Poultry Association for Best Cockerel: Special for Best Shaped Male; Special for Best Colored Male; Silver Cup for Best Plymouth Rock hatched in 1913, male or female, any variety; Special presented by the President of the American Barred Rock Club for Best Cockerel and Best Pullet, Three Best Cockerels, Best Display, Best Collection; Silver Cup presented by the New York Sun for Best Cock, Hen, Cockerel, Pullet and Pen; Sweepstakes Silver Cup for Best Exhibition Pen; The Association $25.00 in Gold for Best Display; All Silver Cups and Cash Specials. Three times as many First Prizes as any Barred Rock exhibitor. More Firsts, Regular and Special Prizes than any exhibitor of any breed. The amazing record of *1st, 2nd, 3rd, 4th and 5th Prizes* on Cockerels, every regular and special prize offered, stands unmatched in the historyof Madison Square Garden.

IF YOU WANT TO WIN AND BREED WINNERS

YOU MUST HAVE MY IMPERIAL "RINGLETS"—they are the Standard by which all other Barred Rocks are judged.

I will sell you grand exhibition birds for any show, and breeders of this richest First Prize New York Blood. Richly illustrated 70-page Catalogue upon request.

EGGS from the Finest Exhibition Matings in the World, $10 per setting, four settings $35, 100 eggs 60.

E. B. Thompson

Lock Box 330, AMENIA, N. Y.

HAWKINS' ROYAL·BLUE·BARRED·ROCKS

have for years produced the winners at the World's Greatest Shows, and my unparalleled record at the two leading exhibitions, east and west,

NEW YORK AND CHICAGO

make my **Royal Blue Barred Rocks** the

CHAMPIONS OF THE EAST AND WEST

NEW YORK, 1912
6 out of 8 prizes on cockerels, including 1st and sweepstakes, best cockerel in show. **A World's Record.**

CHICAGO, 1912
Four 1sts, sweepstakes, championship for best display Barred Rocks, 400 birds in competition.

CHICAGO, 1913
Six 1sts, sweepstakes for best display, every special offered on this variety, 250 birds competing.



I sell eggs from the World's best matings at $10 per 15, $18 per 30, $25 per 40, $50 for 100. 2000 exhibition and breeding birds for sale. Finely illustrated catalog of the champions FREE.

FREE CATALOG

A. C. HAWKINS

LOCK BOX 30 LANCASTER·MASS.

Champion Buff Wyandottes

"AMERICA'S GREAT GENERAL PURPOSE FOWL"

Line Bred For Twenty-five Consecutive Years. (Worthy Of The Name Strain)

It's amusing to glance over some advertisements and read about the different strains of Buff Wyandottes—strains that have "sprung up" or been made in a few years. We know that **ninety per cent** of these so-called strains contain Champion Blood Lines.

At eleven recent Big Shows—Champions won 50 firsts, 47 seconds, 30 thirds, 23 fourths, 20 fifths. Five times as many prizes as all competitors combined.

WE RAISED EVERY WINNER

You will surely get **better results** by procuring stock or eggs from an Old Established Strain of Prize Winners and Trap-nested Layers, than you would from out-crossed stock of many different strains. We replace every infertile egg **free.** Twenty of the Grandest Pens Ever Mated. Beautiful illustrated 1914 Mating List mailed **free.**

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